

Guide 2017

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Spinnaker Styles



DIMENSION-POLYANT has engineered the Precision Spinnaker materials to complement today's radial constructed spinnakers. They offer unmatched tears, a superior smooth surface and the cloth is very stable. Available are specific racing and cruising styles in various weights and constructions.

Race Precision Nylon

| Style | Weight Sm-oz | Colours | Width c m |
|---------|-----------------|-----------------|--------------|
| RPN 050 | 0,77 | s. Colour Chart | 160 |
| RPN 060 | 0,93 | s. Colour Chart | 160 |
| RPN 075 | 0,98 | s. Colour Chart | 160 |

Colour Chart RPN 050:

1000 arctic, 3112 red, 7711 blue

Colour Chart RPN 060 / RPN 075:

10 white, 3112 red, 7711 blue

Cruise Precision Nylon

| Style | Weight Sm-oz | Colours | Width c m |
|---------|-----------------|-----------------|--------------|
| CPN 100 | 0,99 | s. Colour Chart | 160 |
| CPN 140 | 1,45 | s. Colour Chart | 160 |
| CPN 180 | 1,70 | s. Colour Chart | 160 |
| CPN 230 | 2,30 | s. Colour Chart | 160 |

Colour Chart CPN 100 / CPN 140 / CPN 180:

0010 white, 2300 black, 2328 grey, 3106 red, 3112 red *), 5085 yellow, 7247 light blue, 7711 blue *), 7755 blue

Colour Chart CPN 230:

0010 white, 3106 red, 3112 red *), 5085 yellow, 7711 blue *), 7755 blue

*) These colours will be phased out; available only until the existing stock is sold out.

Cruise Precision Polyester

Specially engineered to suit the needs of big boat spinnakers, this woven Polyester cloth is very rugged and highly stable.

| Style | Weight Sm-oz | Colours | Width cm |
|---------|-----------------|---------|-------------|
| CPP 300 | 3,25 | white | 160 |



Pro Lite

Evolving from our technology of combining Polyester and Ultra-PE in woven sailcloth, DIMENSION-POLYANT has developed this light weight, highly tear resistant material for multiple uses. Applications range from Symmetrical and Asymmetrical Spinnakers to Gennakers for Super Yachts, and Code Zeros for smaller boats. In any application, this fabric exhibits outstanding burst strength.

| Style | Weight Sm-oz | Colours | Width cm |
|--------|-----------------|---------|-------------|
| PL 300 | 2,90 | white | 160 |



Ripstop Spinnaker

DIMENSION-POLYANT Ripstop Polyester spinnaker fabric exhibits several unique characteristics that produce exceptionally fast spinnakers. This fabric relies on its tight Polyester yarn construction rather than a heavy finish to resist stretch. Spinnakers can be built to maximum measurements due to minimum changes of characteristics when exposed to water and sun.

| Style | Finish | Weight Sm-oz | Colours | Width cm |
|-------|--------|-----------------|------------------|-------------|
| 6611 | UCP | 0,70 | white, red, blue | 137 |

Spinnaker Styles



Code Zero

Initially developed for offshore racing but gaining popularity in club and buoy racing. Code Zero's are similar to asymmetric spinnakers but are flatter in shape, performing like a light air genoa.

Recognizing that conventional spinnaker fabrics have insufficient stretch resistance to work in these conditions, DIMENSION-POLYANT developed this dedicated lightweight laminate line to match the application. The Code Zero line is unmatched in strength to weight in use.

Code Zero GP

CZ GP is engineered with a rugged black aramid warp insert and X-PLY® for the highest thread line strength.

Combined with a high count Polyester fill for trans-directional stability, this product is unique to the market. Designed as a no compromise racing laminate, CZ GP offers several characteristics that make it unique for the application.

- ▶ film/film construction for minimal moisture pickup
- ▶ semi-transparent appearance for increased visibility
- ▶ high count 500 denier Polyester fill scrim for low fill stretch and increased tear strength
- ▶ soft hand due to 0.75 mil total film thickness

| Style 0.75 mil | Weight Sm-oz | Warp/Fill | Insert Black Aramid | X-PLY® Technora® Black | Width cm |
|-------------------|-----------------|---------------|---------------------------|------------------------------|-------------|
| CZ 15 GP | 2,25 | 150x500 / 4x8 | 1,75 x 1500 | 22° 750 | 137 |
| CZ 30 GP | 2,60 | 150x500 / 4x8 | 3,50 x 1500 | 22° 750 | 137 |
| CZ 60 GP | 3,00 | 150x500 / 4x8 | 5,25 x 1500 | 22° 750 | 137 |
| CZ 90 GP *) | 3,50 | 150x500 / 4x8 | 7,00 x 1500 | 22° 750 | 137 |
| CZ 120 GP **) | 4,72 | 150x500 / 4x8 | 9,00 x 1500 | 22° 750 | 137 |

*) available on special request with a minimum lead time of 10 days

***) available on special request

Code Zero Optic 2

The original Code Zero fabric from DIMENSION-POLYANT continues to offer options for off-wind needs to both the offshore racer and the performance orientated cruiser.

- ▶ Aramid warp insert
- ▶ 50x50 taffeta
- ▶ Technora® Black X-PLY®

| Style 0.5 mil | Weight Sm-oz | Warp/Fill Taffeta | Insert Aramid | X-PLY® Technora® Black | Width cm |
|--------------------------|-----------------|----------------------|------------------|------------------------------|-------------|
| CZ 05 Optic 2 | 1,80 | 50 x 50 | | 22° 750 | 137 |
| CZ 15 Optic 2 | 2,10 | 50 x 50 | 2 x 1140 | 22° 750 | 137 |
| CZ 30 Optic 2 | 2,40 | 50 x 50 | 4 x 1140 | 22° 750 | 137 |
| CZ 60 Optic 2 | 2,80 | 50 x 50 | 6 x 1140 | 22° 750 | 137 |
| CZ 90 Optic 2 *) 1.0 mil | 4,40 | 50 x 50 | 6 x 1450 | 22° 750 | 137 |

*) available on special request

Code Zero PES

DIMENSION-POLYANT offers now an additional version of Code Zero in 100% Polyester.

Both styles are laminated with black Polyester yarns and include white taffeta applied to a single side.

| Style 0.5 mil | Weight Sm-oz | Warp/Fill Taffeta | Insert Polyester Black | X-PLY® Polyester Black | Width cm |
|----------------------|-----------------|----------------------|------------------------------|------------------------------|-------------|
| CZ 30 PES NEW | 2,30 | 50 x 50 | 4 x 1000 | 22° 750 | 137 |
| CZ 60 PES NEW | 2,70 | 50 x 50 | 6 x 1000 | 22° 750 | 137 |

Yacht Sailcloth Polyester



One Design



DIMENSION-POLYANT One Design Polyester fabrics are a precision designed collection of purpose built fabrics to meet the requirements of a wide range of boat and sail applications. In-house weaving and finishing ensure that the tight constructions and variety of finishes, from the soft MTO to the exclusive hard coated HTP[®] plus, perform with a consistency for classes that demand a repeatable sail shape every time. Each style has proven its outstanding properties, particularly the 1% performance and controlled bias stretch, on and off the racecourse. Our One Design fabrics have been consistently refined over the years to be winners in sails from the International Optimist class up to Olympic classes.

The HMTO / MTO versions are produced with our UVi[®] Technology.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|----------|-----------------------|-----------------|------------------------|-------------|
| 160 B *) | MTO | 3,8 | 125 x 125 | 91,4 |
| | HTP [®] plus | | | 91,4 |
| 240 B *) | HTP [®] plus | 5,6 | 250 x 250 | 91,4 |
| 240 AP | HMTO | 5,6 | 200 x 380 | 91,4 |
| | HTP [®] plus | | | 91,4 |
| 270 B | HMTO | 6,3 | 200 x 410 | 91,4 |
| | HTP [®] plus | | | 91,4 |
| 284 PR | HTP [®] plus | 6,4 | | 137 |

*) These styles will be phased out. Available only until the existing stock is sold out.



One Design Ripstop

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|-------------------|-----------------------|-----------------|------------------------|-------------|
| 140 OD | HTP [®] plus | 3,3 | 125 x 125 + 2 x 200 | 91,4 |
| 160 OD | HTP [®] plus | 3,8 | 150 x 150 + 2 x 380 | 91,4 |
| 170 OD | HTP [®] plus | 4,0 | 150 x 200 + 2 x 380 | 91,4 |
| 180 OD | HTP [®] plus | 4,2 | 150 x 250 + 2 x 380 | 91,4 |
| 200 OD NEW | HMTO | 4,7 | 150 x 250 + 2 x 500 | 91,4 |
| | HTP [®] plus | | | 91,4 |

Common Applications

One Design classes like Optimist, Cadet, 420, 470, Flying Dutchman, Star Boats, Soling, agons, etc. Dinghies, Small multihulls, Small keel boats, Lightnings, Scow's, Flying Scotts, DN Iceboats, Thisles

DIMENSION-POLYANT All Purpose Blade styles are engineered to provide good fill strength and at the same time excellent bias stretch resistance. The ability to resist long term loads comes from the construction of the woven cloth in close harmony with the resin's ability to reinforce.

The HMTO / MTO / FTO versions are produced with our UVI® Technology.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|-----------|---------------------|-----------------|------------------------|-------------|
| 200 AP *) | HMTO / MTO | 4,7 | 125 x 250 | 91,4 |
| | HTP® plus | | | 91,4 |
| 250 AP | HMTO / MTO | 5,8 | 250 x 300 | 91,4 |
| 280 AP | HMTO / MTO | 6,5 | 250 x 410 | 91,4 - 140 |
| | HTP® plus | | | 91,4 |
| 320 AP | HMTO / MTO | 7,3 | 300 x 500 | 140 |
| 360 AP | HMTO / MTO | 8,4 | 300 x 800 | 140 |
| 410 AP | HMTO / MTO | 9,6 | 500 x 800 | 140 |
| 450 AP | HMTO / MTO / FTO | 10,5 | 500 x 1000 | 140 |
| 480 AP | HMTO / MTO / FTO | 11,2 | 500 x 1000 | 140 |

*) This style will be phased out. Available only until the existing stock is sold out.

DIMENSION-POLYANT Strong Fill / High Aspect styles have been developed and refined to create a very strong fill oriented sailcloth suitable for high aspect, high performance mainsails, jibs and #3 genoas.

The Strong Fill fabrics show the best combination of low stretch performance and durability in high aspect applications. These styles feature excellent fill stability without sacrificing bias control.

The HMTO / MTO versions are produced with our UVI® Technology.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|--------|------------|-----------------|------------------------|-------------|
| 230 SF | HMTO / MTO | 5,4 | 125 x 380 | 91,4 |
| | HTP® plus | | | 91,4 |
| 260 SF | HMTO | 6,1 | 125 x 500 | 91,4 - 140 |
| | MTO | | | 91,4 |
| | HTP® plus | | | 91,4 |
| 300 SF | HMTO / MTO | 7,0 | 200 x 500 | 140 |
| | HTP® plus | | | 91,4 |
| 350 SF | HMTO / MTO | 8,2 | 250 x 800 | 140 |
| | HTP® plus | | | 140 |
| 390 SF | HMTO / MTO | 9,2 | 250 x 1000 | 140 |

N.B.: Shelf Foot material is listed on page 28.



DIMENSION-POLYANT Square[®] was designed for use in performance oriented sails. These premium Polyester styles are used when improved off-the-threadline support is desired. Square[®] styles are unique in many aspects.

They are easily identified by a ripstop pattern woven into the substrate by using either 500 or 1000 denier yarns paired in both the warp and the fill direction. These yarns create an extremely rugged fabric, even in the lightweight styles with the very firm HTP[®] plus finish.

All the Square[®] styles feature fairly balanced constructions, woven with very tightly packed small denier yarns. Combined with larger size Square[®] yarns, it makes these styles low stretch in all three directions and suitable for both vertical and crosscut constructions in racing and cruising headsails as well as in small mainsails.

The HMT / MT versions are produced with our UVI[®] Technology.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|-----------|-----------------------|-----------------|------------------------|-------------|
| 165 SQ | HMT / MT | 3,9 | 125 x 150 | 91,4 |
| | HTP [®] plus | | +2 x 500 | 91,4 |
| 253 SQ *) | HTP [®] plus | 5,9 | 250 x 250 +2 x 500 | 91,4 |
| 180 SQ | HMT / MT | 4,2 | 125 x 150 | 91,4 |
| | HTP [®] plus | | +2 x 1000 | 91,4 |
| 205 SQ | HMT / MT | 4,9 | 150 x 150 | 91,4 |
| | HTP [®] plus | | +2 x 1000 | 91,4 |
| 245 SQ | HMT / MT | 5,7 | 250 x 250 | 140 |
| | HTP [®] plus | | +2 x 1000 | 91,4 |
| 265 SQ | HMT / MT | 6,2 | 250 x 250 | 140 |
| | HTP [®] plus | | +2 x 1000 | 140 |
| 310 SQ | HMT / MT | 7,2 | 250 x 250 | 140 |
| | HTP [®] plus | | +2 x 1000 | 140 |
| 340 SQ | HMT / MT | 8,0 | 300 x 380 | 140 |
| | | | +2 x 1000 | |
| 380 SQ | HMT / MT | 9,0 | 380 x 500 +2 x 1000 | 140 |

*) This style will be phased out. Available only until the existing stock is sold out.

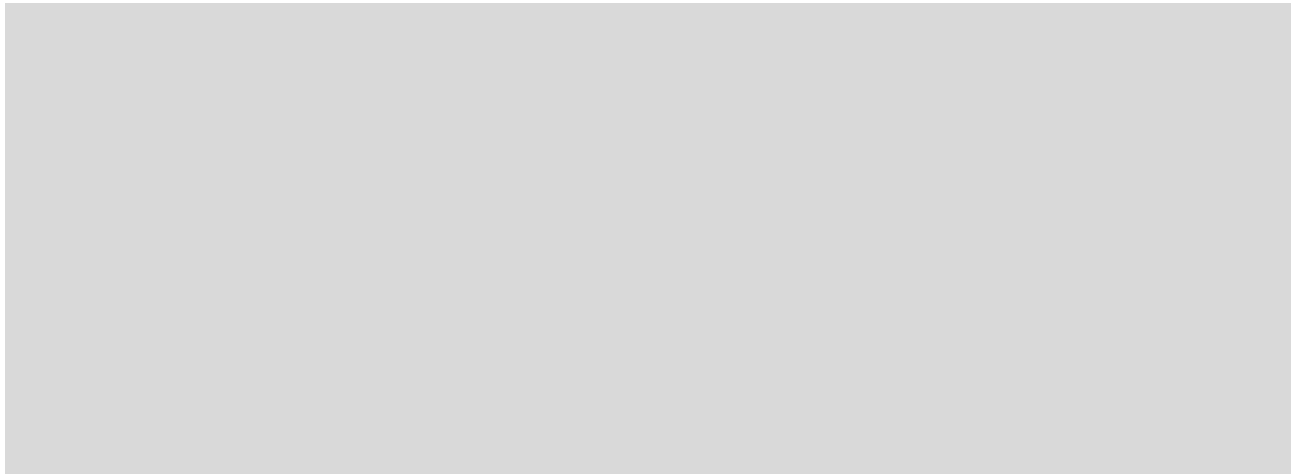
Common Applications

The Square[®] fabrics are used extensively in demanding One Design classes. They are winning world championships and Olympics while proving themselves in cruising and big boat racing too.

Finish Definitions

- HTP[®] plus High Tempered Polyester: The hardest finish.
- HMTO Hard Medium Tempered Optimized. Harder than MTO.
- MTO Medium Tempered Optimized. Firm allround finish.
- FTO Fine Tempered Optimized. Soft finish.

See bias range definitions on page 33.




Pro Radial



DIMENSION-POLYANT has engineered the Pro Radial line to address the growing demand for radial sails built from woven Polyester fabrics.

Pro Radial has virtually no crimp which we consider to be a basic necessity for such applications. This low crimp construction is achieved with a proprietary weave utilizing looms optimized to this application.

DIMENSION-POLYANT, as the only vertical producer of sailcloth, is in the unique position to make this development possible.

The Pro Radial Styles are produced with our UVI® Technology.

| Style | Weight Sm-oz | Width cm |
|--------|-----------------|-------------|
| 284 PR | 6,5 | 137 |
| 344 PR | 8,0 | 137 |
| 394 PR | 9,0 | 137 |
| 434 PR | 10,0 | 137 |



Vectron



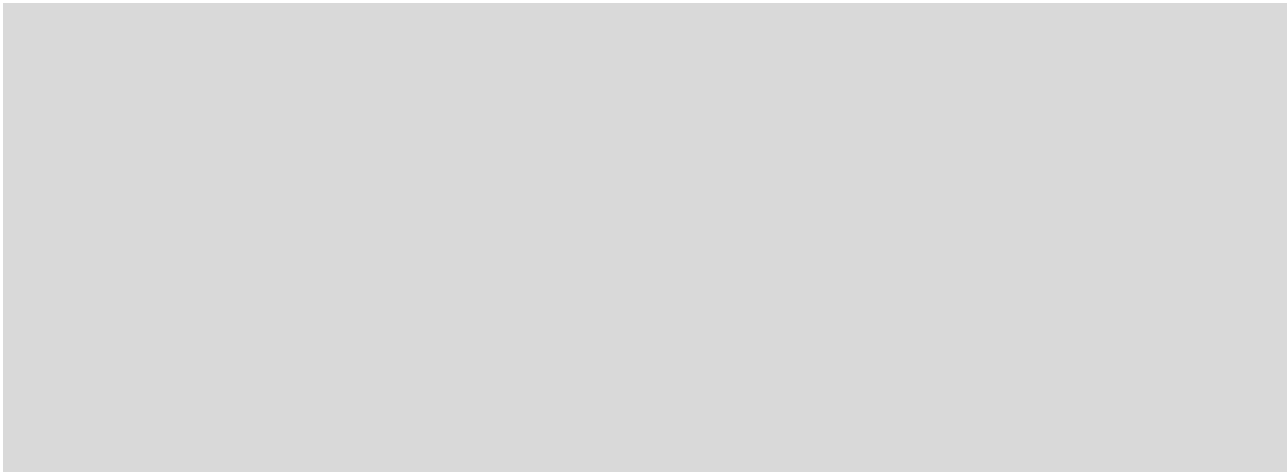
The nature of offshore and extended cruising exposes yacht sails to many harsh conditions, with this in mind DIMENSION-POLYANT has developed the VEC line. Special in-house production methods are used to combine low stretch, high strength Vectran® with best quality high tenacity Polyester to produce a tightly woven fabric that is strong and is easy to handle with exceptionally durability.

Harmful effects of UV exposure are minimised by our unique UVI® Technology providing market leading resistance keeping sails in better condition for longer.

The Vectron Styles are produced with our UVI® Technology.

| Style | Weight Sm-oz | Warp Polyester | Fill PES / Vectran® | Width cm |
|--------------------|-----------------|-------------------|------------------------|-------------|
| VEC 073 NEW | 7,8 | 200 | 800 / 750 | 150 |
| VEC 084 NEW | 8,3 | 200 | 1000 / 1000 | 150 |
| VEC 100 NEW | 10,5 | 300 | 1500 / 1500 | 150 |
| VEC 120 NEW | 11,3 | 300 | 2000 / 2000 | 150 |

Yacht Sailcloth Polyester



Hydra Net® is a tightly woven high tenacity fabric with a "net" of Ultra-PE for offshore cruisers. This special construction has been refined and developed utilizing our in-house, high performance looms to create a fabric that is unique in the sailcloth market.

The Hydra Net® styles are produced with our UVI® Technology.

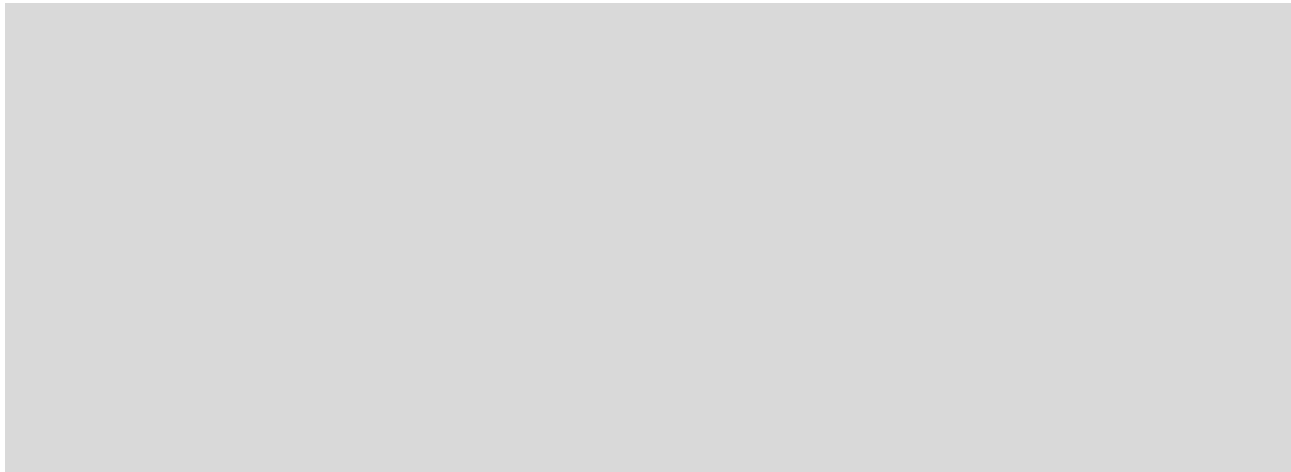
Features of Hydra Net®

- ▶ comfortable handling
- ▶ higher flex strength
- ▶ reduced mildew problems
- ▶ easier to store
- ▶ better durability

Apart from the on the water advantages Hydra Net® allows sailmakers to offer high tech sails in a woven construction.

| Style | Weight Sm-oz | Width cm |
|--------|-----------------|-------------|
| 240 HN | 5,6 | 140 |
| 270 HN | 6,3 | 140 |
| 320 HN | 7,3 | 140 |
| 350 HN | 7,9 | 140 |
| 380 HN | 9,0 | 140 |
| 480 HN | 11,2 | 140 |

Hydra Net®



DIMENSION-POLYANT has added the Hydra Net[®] radial range of styles for radial constructed sails to the successful line of Hydra Net[®] fabrics. With its special weave and finish Hydra Net[®] radial features unsurpassed strength and longevity, exceeding the specifications of other wovens and many laminates.

Hydra Net[®] radial is constructed with an extremely high share of Ultra-PE fibres in the warp direction. Hydra Net[®] radial is an extremely tight weave achieving superior shape retention along with a soft hand. Design targets that were possible with laminates only can now be put into practice with Hydra Net[®] radial. The Hydra Net[®] radial range of fabrics comprises several styles that can be combined for step-up constructions.

The Hydra Net[®] radial styles are produced with our UVI[®] Technology.

| Style | Weight Sm-oz | Width cm |
|---------|-----------------|-------------|
| 273 HNR | 6,3 | FH |
| 303 HNR | 7,0 | FH |
| 343 HNR | 8,0 | FH |
| 393 HNR | 9,0 | 137 |
| 433 HNR | 10,0 | 137 |
| 483 HNR | 11,3 | 137 |
| 533 HNR | 12,4 | 137 |

Hydra Net[®] radial

| | |
|------------------------|---|
| <p>Ultra-PE</p> | <p>Ultra-PE is a name for the family of fibres commonly known as UHMWPE, Spectra[®], Dyneema[®], etc..</p> <p>Ultra-PE fibres offer high performance in any type of fabric and exhibit exceptional stretch resistance, great UV resistance and excellent flex capabilities wherever used.</p> |
|------------------------|---|



By applying the unique UVM[®] coating to select Polyester styles DIMENSION-POLYANT manufactures sailcloth with a particular high UV stability.

As a rule of thumb the UVM[®] finish adds 25% - 30% longer life to a fabric compared to an uncoated version.

In general, all Polyester styles can be supplied with UVM[®] finish. Minimum order quantity is 500 m per style. Available colours are:

Light beige (Colour Code: 8009)
White (Colour Code: 0001)
Light Grey (Colour Code: 2002)

The premium for the double sided UVM[®] finish is:

EUR 6,70 / m for 140 cm wide styles

The following styles with UVM[®] finish in light beige are available without a minimum order quantity:

All Purpose Blade in Light Beige (Colour: 8009)

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|--------|------------------|-----------------|------------------------|-------------|
| 320 AP | UVM [®] | 7,3 | 300 x 500 | FI € |
| 360 AP | UVM [®] | 8,4 | 300 x 800 | FI € |
| 410 AP | UVM [®] | 9,6 | 500 x 800 | FI € |
| 450 AP | UVM [®] | 10,5 | 500 x 1000 | FI € |

UVM[®] Finish


C-Breeze

DIMENSION-POLYANT C-Breeze are all round fabrics utilizing 100% high tenacity Polyester fibres. This line covers a wide range of applications in cruising sails and is available in 91,4 cm as well as 140 cm.

C-Breeze is only available in MT finish.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm | |
|--------|--------|-----------------|------------------------|-------------|-----|
| 211 CB | MT | 5,0 | 250 x 250 | 91,4 | 140 |
| 241 CB | MT | 5,6 | 250 x 300 | 91,4 | 140 |
| 271 CB | MT | 6,3 | 250 x 410 | 91,4 | 140 |
| 301 CB | MT | 7,0 | 300 x 500 | | 140 |
| 351 CB | MT | 8,2 | 300 x 800 | | 140 |
| 391 CB | MT | 9,1 | 500 x 800 | | 140 |
| 441 CB | MT | 10,3 | 500 x 1000 | | 140 |


Light Fabrics

These styles are economy all round fabrics for small recreational sails, available only in MT finish.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm | |
|---------|--------|-----------------|------------------------|-------------|-----|
| 140 TNF | MT | 3,5 | 150 x 150 | 91,4 | 140 |
| 170 TNF | MT | 4,0 | 150 x 250 | 91,4 | 140 |


Heavy Fabrics


These tightly woven heavy fabrics have been engineered to perform in a wide range of applications. They are available in our soft FTO finish and the firmer, more bias stable MTO finish. Our Heavy Fabrics are very often used in sails for huge square rigged school ships where excellent durability and easy handling are demanded.

The Heavy Fabrics are produced with our UVI® Technology.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm | |
|-------|-----------|-----------------|------------------------|-------------|------|
| 560 B | MTO / FTO | 13,0 | 1000 x 1500 | | FI € |
| 600 B | FTO | 14,0 | 1000 x 1000 | | FI € |
| 640 B | MTO / FTO | 14,9 | 1000 x 2000 | | FI € |

Yacht Sailcloth Polyester



Coloured Cloth

Storm Orange

DIMENSION-POLYANT Storm Orange was specially developed to comply with the international safety regulations of the ORC for heavy weather and storm sails. This versatile and robust style is a must for visibility in bad weather.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|-------|--------|-----------------|------------------------|-------------|
| 400 | MT | 10,0 | 500 x 1000 | FI € |

Color

DIMENSION-POLYANT balanced Polyester styles. Available in several colours.

| Style | Finish | Weight Sm-oz | Construction denier | Width cm |
|-----------|--------|-----------------|------------------------|-------------|
| 210 Color | MT | 5,0 | 250 x 250 | JF€ |
| 245 Color | MT | 5,7 | 250 x 300 | JF€ |

Colour Chart 210 Color:

2100 black, 3125 red, 4001 orange, 5076 yellow, 7424 medium blue

Colour Chart 245 Color:

3569 hot pink, 5280 hot yellow; 7304 dark blue

Classic

DIMENSION-POLYANT Classic fabrics offer the traditional colours cream and tanbark (tan).

By using the C-Breeze styles as base material all Classic styles are made from 100% high tenacity Polyester fibres.

| Style | Finish | Weight Sm-oz | available in | Construction denier | Width cm |
|--------|--------|-----------------|--------------|------------------------|-------------|
| 211 CB | MT | 5,0 | tan / cream | 250 x 250 | JF€ |
| 271 CB | MT | 5,6 | tan / cream | 250 x 410 | JF€ |
| 301 CB | MT | 6,3 | tan | 300 x 500 | JF€ |
| 351 CB | MT | 7,0 | tan | 500 x 800 | JF€ |
| 391 CB | MT | 8,2 | tan | 500 x 1000 | JF€ |

Colour Codes:

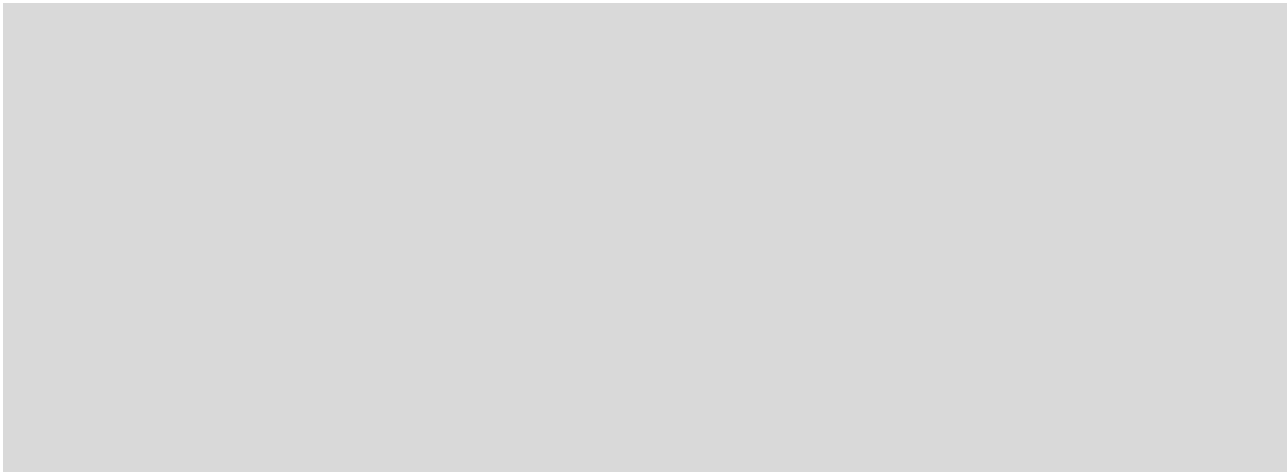
8018 cream

8597 tan

Tapes in cream and tan

Please note that these styles can be ordered in tapes of different widths as well.

We will inform you about minimum order quantities on request.



DIMENSION-POLYANT cruising laminates were developed to create low stretch, durable, easy to handle furling high tech sails. Polyester taffetas are laminated on both sides of a film-encapsulated scrim which proved to have excellent warp stretch performance and great tear strength. The rugged taffetas covering the film and scrim are coated with our unique UVM[®] finish to improve UV resistance and to reduce the chances for mildew growth.

The DCX styles are our latest development in sandwich laminates. Based on our successful DC line we have implemented a 9° X-PLY[®] to support off angle tensions.

| Style | Finish | Weight Sm-oz | Warp/Fill Count | Warp/Fill PES | X-PLY [®] PES | Width cm |
|-------------|------------------|--------------|-----------------|-----------------|------------------------|-----------------|
| DCX-SL 0.75 | UVM [®] | 6,5 | 10,0 x (3+1) | 1000 x 500/1000 | 9° 800 den | FH ^ï |
| DCX-L 1.0 | UVM [®] | 7,6 | 13,5 x (2+2) | 1000 x 500/1000 | 9° 800 den | FH ^ï |
| DCX-M 1.5 | UVM [®] | 9,0 | 18,0 x (1+3) | 1000 x 500/1000 | 9° 800 den | FH ^ï |
| DCX-H 1.5 | UVM [®] | 11,5 | 18,0 x (1+3) | 1000 x 500/1000 | 9° 800 den | FH ^ï |

DCX styles are also available in grey; surcharge 2,50 EUR / m



Scrim made from PEN fibre are providing a high stretch resistance.

| Style | Finish | Weight Sm-oz | Warp/Fill Count | Warp/Fill PES | Width cm |
|--------------|------------------|--------------|-----------------|-----------------|-----------------|
| DCP55 1.0 *) | UVM [®] | 7,6 | 10,0 x (3+1) | 1000 x 500/1000 | FH ^ï |
| DCP66 1.5 *) | UVM [®] | 8,8 | 13,5 x (2+2) | 1000 x 500/1000 | FH ^ï |
| DCP77 1.5 *) | UVM [®] | 9,9 | 13,5 x (2+2) | 1000 x 500/1000 | FH ^ï |
| DCP99 1.5 *) | UVM [®] | 10,9 | 18,0 x (1+3) | 1000 x 500/1000 | FH ^ï |

*) These styles will be phased out; only available until existing stock is sold out.

Laminates

Laminates



DIMENSION-POLYANT developed with the styles of the DYS® Offshore Technology a range of Ultra-PE sandwich laminates exhibiting easy handling and excellent durability. The Ultra-PE base is encapsulated by film on which a taffeta is laminated.

This rugged laminate line has proven its value in performance cruising sails.

DYS® X range is the 4th generation of this performance laminate line. Specially developed finishing techniques minimize the chance of mildew growth.

| Style | Finish | Weight Sm-oz | Construction | X-PLY® PES | Width cm |
|-----------|--------------|-----------------|--------------|---------------|-------------|
| DYS® X 7 | 1.5 mil UVM® | 7,2 | 7000 dpi | 9° 800 den | FI € |
| DYS® X 14 | 1.5 mil UVM® | 9,2 | 14000 dpi | 9° 800 den | FI € |
| DYS® X 23 | 2.0 mil UVM® | 9,8 | 23000 dpi | 9° 800 den | FI € |

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|--------------|--------------|-----------------|--------------|-------------|
| DYS® 23 Plus | 2.0 mil UVM® | 10,4 | 23000 dpi | FHï |
| DYS® 29 Plus | 2.0 mil UVM® | 11,2 | 29000 dpi | FHï |
| DYS® 38 Plus | 2.0 mil UVM® | 11,7 | 38000 dpi | FHï |
| DYS® 44 Plus | 2.0 mil UVM® | 11,9 | 44000 dpi | ÄFHï |
| DYS® 53 Plus | 2.0 mil UVM® | 12,6 | 53000 dpi | ÄFHï |
| DYS® 60 Plus | 2.0 mil UVM® | 13,8 | 60000 dpi | ÄFHï |

Features of DYS®

- ▶ High Tenacity, High Modules fibres – Polyester and Ultra-PE
- ▶ Tight Weave
- ▶ Double sided UVM® coating


FLEX[®]

DIMENSION-POLYANT's FLEX[®] line stands for "Fill Laminate Extra X".

FLEX[®] is especially suited for racing and cruising sails. Foundations of all FLEX[®] laminate constructions are strong fill and warp yarns. Additional 20° and 30° "double X" patterns from the fill absorb multiple load situations. Thanks to its novel construction, FLEX[®] handles strain in six different directions, resulting in unprecedented shape retention characteristics. In addition to primary loads, off-angle loads in clew, head and tack areas, mid leech and luff are catered for. FLEX[®] will also absorb those dynamic loads that occur during sailing and enables excellent shape control.

FLEX[®] styles are crosscut fabrics and available with several fibre densities which can be combined in a sail in accordance with the expected load situation. FLEX[®]'s tight-knit fibre matrix guarantees long performance life and superior durability.

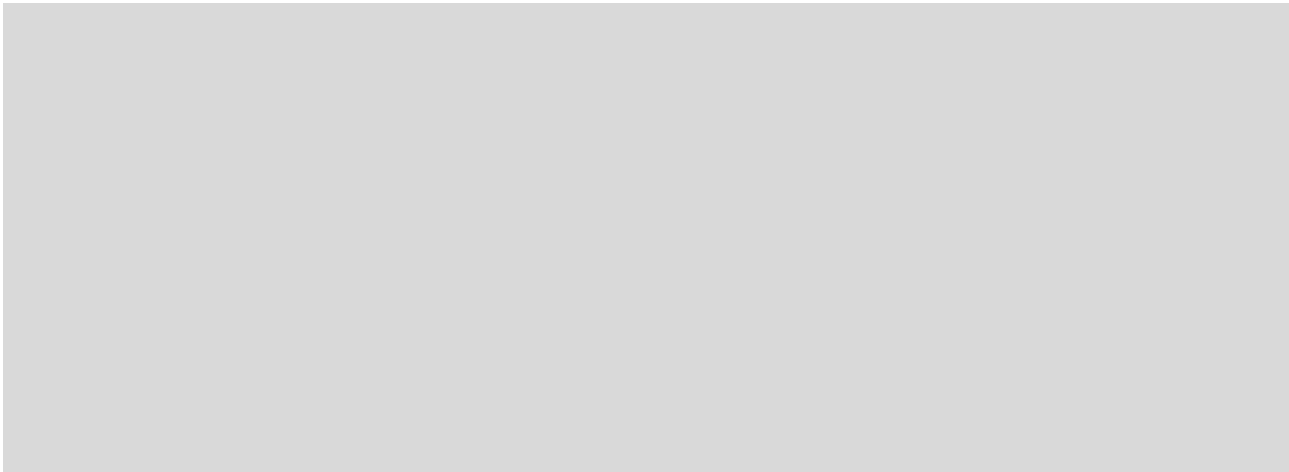

FLEX[®] Polyester

| Style 1.5 mil | Weight Sm-oz | Warp/ Fill | Warp/Fill Polyester | Fibres 30° | Fibres 20° | Width cm |
|------------------|-----------------|---------------|------------------------|---------------|---------------|-------------|
| FLX08 Poly | 4,4 | 4 x 4 | 1000 x 1000 | 1500 | | FH |
| FLX13 Poly | 5,1 | 4 x 4 | 1000 x 1000 | 1500 | 1500 | FH |
| FLX16 Poly | 6,0 | 5 x 6 | 1000 x 1000 | 1500 | 1500 | FH |
| FLX19 Poly | 6,8 | 6 x 3/3 | 1000 x 2000 | 1500 | 1500 | FH |


FLEX[®] Black

| Style 1.5 mil | Weight Sm-oz | Warp/ Fill | Warp/Fill Technora [®] Black | Fibres 30° | Fibres 20° | Width cm |
|------------------|-----------------|---------------|---|---------------|---------------|-------------|
| FLX07 Black | 3,9 | 4 x 4 | 1000 x 1000 | | 1000 | 137 |
| FLX11 Black | 4,4 | 4 x 4 | 1000 x 1000 | 1000 | 1000 | 137 |
| FLX15 Black | 5,2 | 5 x 6 | 1000 x 1000 | 1000 | 1000 | 137 |
| FLX19 Black | 6,4 | 6,4 x 7 | 1000 x 1500 | 1000 | 1000 | 137 |

Laminates



FLEX[®] Ultra



Based on our experience with DFlex and FLEX[®] PolyCruise a need was identified for a higher performance double taffeta crosscut laminate. FLEX[®] Ultra exhibits a true fill construction resulting from a blend of Polyester and Ultra-PE fibres.

The FLEX[®] Ultra line is coated with the DIMENSION-POLYANT UVM[®] finish and the inner structure is treated with a hydrophobic process to eliminate internal water absorption.

| Style 1.5 mil | Finish | Weight Sm-oz | Warp/Fill Polyester/Ultra-PE | Fibres 20° | Width cm |
|----------------------------|--------------------------|-----------------|---------------------------------|---------------|------------------|
| FLEX [®] Ultra SL | 1.0 mil UVM [®] | 6,6 | 250 x 250/550 | 1500 | FH |
| FLEX [®] Ultra L | 1.5 mil UVM [®] | 8,0 | 250 x 500/800 | 1500 | FH |
| FLEX [®] Ultra M | 1.5 mil UVM [®] | 8,8 | 250 x 500/800 | 1500 | FH |
| FLEX [®] Ultra H | 1.5 mil UVM [®] | 9,7 | 250 x 800/1600 | 1500 | FH |

Laminates

Ultra-PE

Ultra-PE is a name for the family of fibres commonly known as UHMWPE, Spectra[®], Dyneema[®], etc..

Ultra-PE fibres offer high performance in any type of fabric and exhibit exceptional stretch resistance, great UV resistance and excellent flex capabilities wherever used.


Multi Directional

DIMENSION-POLYANT invented the TRI-PLY lamination technique many years ago. Over the years these styles have evolved to become a rugged, lightweight range of fabrics with unmatched lamination bond. This multi-directional line is very suitable as front-end material in head and mainsails.

| Style | Finish | Weight Sm-oz | Warp/Fill Count | Warp/Fill | | Width cm |
|----------------------|---------|-----------------|--------------------|-----------|-----------------|-------------|
| P2L *) | 1.0 mil | 2,1 | 5 x 4,5 | 500 x 500 | white PES scrim | 137 |
| P2L Black NEW | 1.0 mil | 2,1 | 5 x 4,5 | 500 x 500 | black PES scrim | 137 |

*) P2L is our new name for PM02. There are no technical changes.

| Style | Finish | Weight Sm-oz | Warp/Fill Count | Warp/Fill Polyester | | Width cm |
|------------------|---------|-----------------|--------------------|------------------------|--|-------------|
| PG 45 NEW | 1.5 mil | 3,5 | 18 x 10 | 250 x 500 | | 137 |
| (white) | | | | | | |
| PG 45 NEW | 1.5 mil | 3,5 | 18 x 10 | 250 x 500 | | 137 |
| (grey) | | | | | | |



| Style | Finish | Weight Sm-oz | Warp/Fill Count | Warp/Fill Polyester | Taffeta | Width cm |
|-------------------|--------------|-----------------|--------------------|------------------------|---------|-------------|
| PG 45T NEW | 1.5 mil UVM® | 5,0 | 18 x 10 | 250 x 500 | 50 x 50 | 137 |
| (white) | | | | | | |
| PG 45T NEW | 1.5 mil UVM® | 5,0 | 18 x 10 | 250 x 500 | 50 x 50 | 137 |
| (grey) | | | | | | |


PE Line

As a complement to our successful Polyester based PX Line DIMENSION-POLYANT introduced PEN versions of these fabrics. These styles practically utilize the same constructions as the PX versions with one exception: PEN fibre is used in the warp direction. PEN has a higher modulus than Polyester and these fabrics exhibit approximately 30% to 40% lower stretch than their Polyester equivalents. This range has a "step up" fill construction. As the warp strength goes up - so does the fill strength. The PEN X-PLY® Line of fabric is the ideal choice for sails where low stretch is a top priority and Aramid based fabrics must not be used. The PE fabrics are produced utilizing our patented X-PLY® technique assuring sailmakers of reliable performance and the highest quality lamination available on the sailcloth market.

| Style | Finish | Weight Sm-oz | Warp/Fill Count | Warp/Fill PEN/Polyester | X-PLY® Polyester | Width cm |
|---------|---------|-----------------|--------------------|----------------------------|---------------------|-------------|
| PE05 | 1.5 mil | 3,8 | 5,83 x 5 | 1000 x 500 | 6° 1000 | 137 |
| PE05 *) | 3.0 mil | 4,9 | 5,83 x 5 | 1000 x 500 | 13° 1000 | 137 |
| PE10 | 1.5 mil | 4,4 | 9,6 x (4+1) | 1000 x 500/1000 | 6° 1000 | 137 |
| PE15 | 1.5 mil | 5,2 | 12,5 x (3+2) | 1000 x 500/1000 | 6° 1000 | 137 |
| PE20 | 1.5 mil | 6,1 | 18,0 x (2+3) | 1000 x 500/1000 | 6° 1000 | 137 |

Available in Clear and Optic2

*) available on special request with a minimum lead time of 10 days

Features of PE-Line

- ▶ 30% - 40% less stretch than Polyester styles
- ▶ exceptional weight to strength efficiency
- ▶ outstanding shape holding durability
- ▶ few styles covering many applications
- ▶ white Polyester X-PLY®



PX Line

DIMENSION-POLYANT Polyester black X-PLY[®] line has been created by inserting a 6° black Polyester X-PLY[®] yarn into a warp oriented scrim of high tenacity Polyester. It is available in both a racing scrim version with film on both sides and a taffeta version where we have laminated a super lightweight taffeta on one side for extra durability. In this logical line we have increased the range of applications while still assuring superior shape holding characteristics. The PX Line is very suitable for applications as different as genoas, mainsails and front-end materials.

| Style 1.5 mil | Weight Sm-oz | Warp/Fill Count | Warp/Fill Polyester | X-PLY [®] Polyester Black | Width cm |
|------------------|-----------------|--------------------|------------------------|---------------------------------------|-------------|
| PX05 | 3,6 | 5 x 5 | 1000 x 500 | 6° 840 | 137 |
| PX10 | 4,4 | 9,6 x (4+1) | 1000 x 500/1000 | 6° 840 | 137 |
| PX15 | 5,2 | 12,5 x (3+2) | 1000 x 500/1000 | 6° 840 | 137 |
| PX20 | 6,0 | 18 x (2+3) | 1000 x 500/1000 | 6° 840 | 137 |

sT - with single taffeta

| Style 1.5 mil | Weight Sm-oz | Warp/Fill Count | Warp/Fill Polyester | X-PLY [®] Polyester Black | Width cm |
|------------------|-----------------|--------------------|------------------------|---------------------------------------|-------------|
| PX10 sT | 5,7 | 9,6 x (4+1) | 1000 x 500/1000 | 6° 840 | 137 |
| PX15 sT | 6,5 | 12,5 x (3+2) | 1000 x 500/1000 | 6° 840 | 137 |
| PX20 sT | 7,4 | 18 x (2+3) | 1000 x 500/1000 | 6° 840 | 137 |



PX Black Line

DIMENSION-POLYANT has developed the PXB Polyester line based on our very successful PX Polyester warp oriented fabrics. The custom black fibre coating will increase the UV properties of the Polyester fibre in an efficient weight-to-strength radial construction. As with our standard PX styles, the weight ranges will step up in 5000 denier per inch increments on the warp, from 5000 DPI to 20000 DPI. The fill DPI also increases as the warp count goes up to address the higher overall loading across the sail.

DIMENSION-POLYANT's patented X-PLY[®] further addresses off angle loading for the highest stability available in an economic fabric. The PXB line is particularly suited to many one design classes that still specify Polyester as the only class legal fibre, and as a cosmetic addition to Grand Prix and Club race boats that use either Carbon or Black Aramid sails and look for a colour match throughout the inventory.

| Style 1.5 mil | Weight Sm-oz | Warp/Fill Count | Warp/Fill Polyester Black | X-PLY [®] Polyester Black | Width cm |
|------------------|-----------------|--------------------|------------------------------|---------------------------------------|-------------|
| PXB05 | 3,6 | 5 x 5 | 1000 x 500 | 22° 840 | 137 |
| PXB10 | 4,5 | 9,6 x (4+1) | 1000 x 500/1000 | 22° 840 | 137 |
| PXB15 | 5,2 | 12,5 x (3+2) | 1000 x 500/1000 | 22° 840 | 137 |
| PXB20 | 6,2 | 18 x (2+3) | 1000 x 500/1000 | 22° 840 | 137 |

PXB s LS[®]

(for more information about Lite Skin[®], please see page 22)



| Style | | Weight Sm-oz | Warp/Fill Count | Warp/Fill Polyester Black | X-PLY [®] Polyester Black | Width cm |
|-------------------------|------------|-----------------|--------------------|------------------------------|---------------------------------------|-------------|
| PXB10 s LS [®] | NEW | 5,20 | 9,6 x (4+1) | 1000 x 500/1000 | 22° 840 | 137 |
| PXB15 s LS [®] | NEW | 5,95 | 12,5 x (3+2) | 1000 x 500/1000 | 22° 840 | 137 |
| PXB20 s LS [®] | NEW | 6,95 | 18 x (2+3) | 1000 x 500/1000 | 22° 840 | 137 |



DIMENSION-POLYANT's line of GraphX[®] carbon laminates for racing and cruising yachts of all sizes continues to have a huge impact on the sailing world. Superior fibre handling and advanced lamination technology using our patented insert process makes GraphX[®] the most durable carbon laminates on the market today.

GPL is the first laminated sailcloth line to capture the strength of high performance carbon. GPL laminates utilize high strength carbon warp sheet fibre, super rugged Technora[®] base and Technora[®] X-PLY[®] to create racing fabrics with incredible resistance to flex, elongation and degradation from UV. These composite fabrics are the answer for no compromise race (until legal in all classes) sails where the ultimate strength is demanded. GPL's take Carbon to a new level in High Performance materials.

| Style 1.5 mil | Weight Sm-oz | Warp/ Fill | Warp/Fill Technora [®] Black | Insert Carbon | X-PLY [®] Technora [®] Black | Width cm |
|------------------|-----------------|---------------|---|------------------|--|-------------|
| GPL00 | 3,4 | 6 x 5 | 750 x 750 | | 22° 750 | FH |
| GPL05 | 4,4 | 6 x 5 | 750 x 750 | 1,4 x 3500 | 22° 750 | FH |
| GPL10 | 5,1 | 6 x 5 | 750 x 750 | 1,4 x 7000 | 22° 750 | FH |
| GPL14 | 5,6 | 6 x 5 | 750 x 750 | 2 x 7000 | 22° 750 | FH |
| GPL18 | 6,7 | 6 x 5 | 750 x 750 | 3 x 7000 | 22° 750 | FH |
| GPL21 | 7,3 | 6 x 6 | 1500 x 750 | 3 x 7000 | 22° 750 | FH |
| GPL28 | 8,5 | 6 x 6 | 1500 x 750 | 4 x 7000 | 22° 750 | FH |



Carbon Sport is the result of careful assessment of the club racers requirements together with technical development and innovation strongly influenced by the proven GPL GraphX[®] line.

With performance provided by a Carbon based inner structure, manufactured using the latest state of the art, industry leading production methods, Carbon Sport will make sails fast for longer.

Carbon Sport in combination with the exclusive Lite Skin[®] demonstrates a further evolution in club racing with increasing lifespan.

| Style | Weight Sm-oz | Warp/ Fill | Warp/Fill Polyester Black | Insert Carbon | X-PLY [®] Technora [®] Black | Width cm |
|-------|-----------------|---------------|---------------------------------|------------------|--|-------------|
| CS05 | 4,8 | 5 x (3+2) | 1000 x 500/1000 | 1,4 x 3500 | 22° 750 | FH |
| CS10 | 5,3 | 5 x (3+2) | 1000 x 500/1000 | 1,4 x 7000 | 22° 750 | FH |
| CS15 | 5,8 | 5 x (3+2) | 1000 x 500/1000 | 2 x 7000 | 22° 750 | FH |
| CS20 | 6,8 | 5 x (3+2) | 1000 x 500/1000 | 3 x 7000 | 22° 750 | FH |

Laminates

Lite Skin®

DIMENSION-POLYANT has developed the Lite Skin® composite product to address an overlapping concern for both racers and cruisers: a light, rugged sailcloth skin for increased durability.

The Lite Skin® is a sheet of random array, non-woven filaments that provides increased abrasion resistance at a minimal weight gain. The Lite Skin® is further accented with an opaque finish that virtually eliminates the traditional paneled sail appearance, delivering a sleek visual look. Lite Skin® provides specific advantages when compared to the standard film/film and taffeta products.



GPL Lite Skin®



| Style | Weight Sm-oz | Warp/ Fill | Warp/Fill Technora® Black | Insert Carbon | X-PLY® Technora® Black | Width cm |
|-----------|-----------------|---------------|---------------------------------|------------------|------------------------------|-------------|
| GPL00 LS® | 4,7 | 6 x 5 | 750 x 750 | | 22° 750 | 137 |
| GPL05 LS® | 5,9 | 6 x 5 | 750 x 750 | 1,4 x 3500 | 22° 750 | 137 |
| GPL10 LS® | 6,7 | 6 x 5 | 750 x 750 | 1,4 x 7000 | 22° 750 | 137 |
| GPL14 LS® | 7,2 | 6 x 5 | 750 x 750 | 2 x 7000 | 22° 750 | 137 |
| GPL18 LS® | 8,2 | 6 x 5 | 750 x 750 | 3 x 7000 | 22° 750 | 137 |
| GPL21 LS® | 8,8 | 6 x 6 | 1500 x 750 | 3 x 7000 | 22° 750 | 137 |
| GPL28 LS® | 10,0 | 6 x 6 | 1500 x 750 | 4 x 7000 | 22° 750 | 137 |



Carbon Sport Lite Skin®



| Style | Weight Sm-oz | Warp/ Fill | Warp/Fill Polyester Black | Insert Carbon | X-PLY® Technora® Black | Width cm |
|----------|-----------------|---------------|---------------------------------|------------------|------------------------------|-------------|
| CS05 LS® | 6,2 | 5 x (3+2) | 1000 x 500/1000 | 1,4 x 3500 | 22° 750 | 137 |
| CS10 LS® | 6,9 | 5 x (3+2) | 1000 x 500/1000 | 1,4 x 7000 | 22° 750 | 137 |
| CS15 LS® | 7,4 | 5 x (3+2) | 1000 x 500/1000 | 2 x 7000 | 22° 750 | 137 |
| CS20 LS® | 8,5 | 5 x (3+2) | 1000 x 500/1000 | 3 x 7000 | 22° 750 | 137 |



Designed to absorb a wide variety of loads often seen in One Design sails the One Design Laminates are produced with Technora® Black in the warp and fill achieving an unmatched strength and durability.

With the extra wide X-PLY® angle of 22° and Technora® Black as X-PLY® material this line is the ultimate in high performance One Design Laminates.

| Style | Finish | Weight Sm-oz | Warp/ Fill | Warp/Fill Technora® Black | X-PLY® Technora® Black | Width cm |
|----------|---------|-----------------|---------------|----------------------------------|------------------------------|-------------|
| ODL04 | 1.0 mil | 2,2 | 7,5 x (3+1) | 400 x 400/750 | 22° 750 | 137 |
| ODL04 | 1.5 mil | 2,8 | 7,5 x (3+1) | 400 x 400/750 | 22° 750 | 137 |
| ODL04.5 | 1.5 mil | 3,1 | 7,5 x (3+1) | 400 x 400/750 +2x 1140 den BA | 22° 750 | 137 |
| ODL06 | 1.5 mil | 3,4 | 6 x 5 | 750 x 750 | 22° 750 | 137 |
| ODL09 *) | 1.5 mil | 4,6 | 6 x 6 | 1500 x 750 | 22° 750 | 137 |

*) This style will be phased out. Available only until the existing stock is sold out.

Features of One Design Laminate - Line

- ▶ very low stretch
- ▶ outstanding shape holding durability
- ▶ Grand Prix sail - scrim version
- ▶ extra wide X-PLY® for One Design

Laminates

Laminates



Black X-Tech

Developed from our successful Aramid X-Tech line, the new BX-Tech fabrics continue the trend toward a more balanced base construction for warp orientated laminates. The base 0-90 Technora® scrim in this line are fill oriented for better luff to leech strength, critical in increased life for roller furling and overlapping headsails. The Technora® yarn also offers high flex and impact durability due to high tenacity. The black Aramid inserts provide load-line strength in tri-radial construction, and the black dye increases UV resistance over the life of the sail.

Targeted for the serious racer in boats up to 42', BX-Tech is a hybrid innovation that combines the best properties of similar fibres to create a long lasting fabric that will perform to the owner's expectations.

| Style 1.5 mil | Weight Sm-oz | Warp/ Fill | Warp/Fill Technora® Black | Insert Black Aramid | X-PLY® Black Aramid | Width cm |
|------------------|-----------------|---------------|---------------------------------|---------------------------|---------------------------|-------------|
| BX05 | 4,1 | 3,2 x 4 | 1000 x 1000 | 3 x 1140 | 22° 1140 | 137 |
| BX10 | 5,0 | 3,2 x 4 | 1000 x 1000 | 7 x 1140 | 22° 1140 | 137 |
| BX15 | 6,0 | 4,8 x 5 | 1000 x 1000 | 10 x 1140 | 22° 1140 | 137 |
| BX20 | 8,0 | 6,4 x 7 | 1000 x 1000 | 14 x 1140 | 22° 1140 | 137 |
| BX25 | 8,5 | 6,4 x 7 | 1000 x 1000 | 16 x 1140 | 22° 1140 | 137 |

These styles are available upon request with a minimum lead time of 10 days.



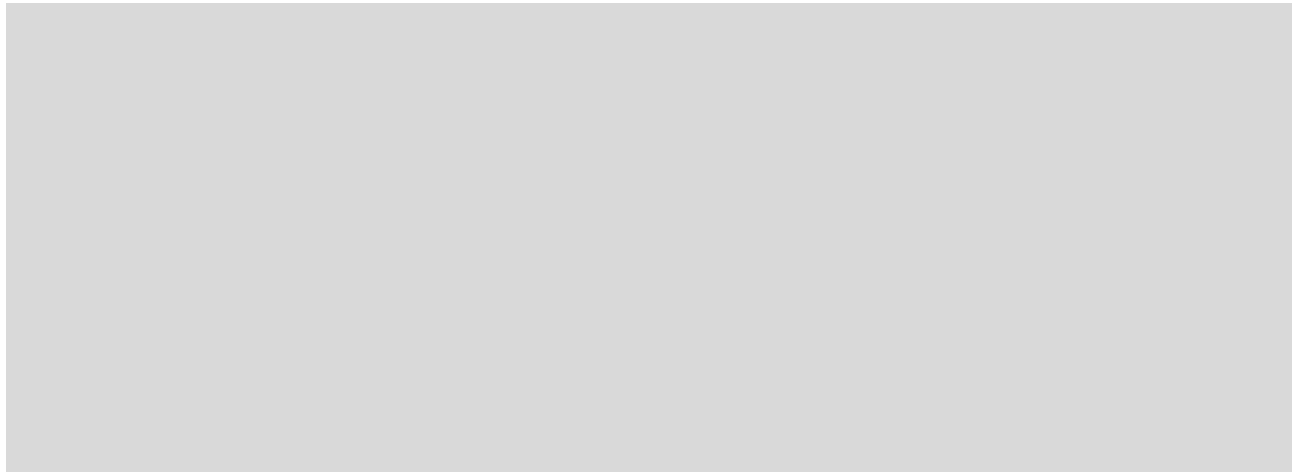
X-Tech

In this proven line of racing laminates we combine several exclusive production technologies.

Our special developed Ti-TeX treatment eliminates any low load crimp and provides totally linear loading performance.

| Style 1.5 mil | Weight Sm-oz | Warp/ Fill | Warp/Fill Aramid | Insert Aramid | X-PLY® Aramid | Width cm |
|------------------|-----------------|---------------|---------------------|------------------|------------------|-------------|
| X05 *) | 3,8 | 6 x 5 | 1000 x 1000 | | 22° 1000 | 137 |
| X10 *) | 4,8 | 6 x 5 | 1000 x 1000 | 5 x 1140 | 22° 1000 | 137 |
| X15 *) | 5,6 | 6 x 5 | 1000 x 1000 | 10 x 1140 | 22° 1000 | 137 |

*) These styles will be phased out; available only until existing stock is sold out.



Cutting Service

Several years ago DIMENSION-POLYANT started to offer a cutting service as additional support for our customers. We are operating a laser cutting system with a conveyor transport enabling us to handle endless nestings.

Cutting Service Charges

Crosscut:

Crosscut, all styles except Hydra Net[®] and FLEX[®] Ultra
Crosscut, Hydra Net[®] and FLEX[®] Ultra

Radial Cut:

Radial Cut, all styles except Hydra Net[®] radial and DYS[®]
Radial Cut, Hydra Net[®] radial and DYS[®]

The minimum cutting charge per design file is 38,50 EUR.

Please note: Each style used in Tri-Radial sails needs to have a separate design file.

Cutting Service

Acceptable Design File Formats: ASCII, .NTV, .TXT, .DXF, .OUT

Tapes

DIMENSION-POLYANT stocks an extensive range of high quality Polyester tapes. All tapes are based on fill oriented or balanced constructions to provide maximum durability when folded as leech, foot or luff tapes.

All tapes are available in a medium firm finish. Soft finished tapes can be delivered upon special request.

white

| Width / cm | 2,5 | 4,0 | 5,0 | 6,0 | 6,5 | 7,0 | 8,0 | 10,0 | 12,0 | 12,7 | 15,0 |
|--------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| Style | | | | | | | | | | | |
| 170 (4,0 oz) | | | | | | | | | | | |
| 200 (5,0 oz) | | | | | | | | | | | |
| 250 (6,0 oz) | | | | | | | | | | | |
| 280 (6,5 oz) | | | | | | | | | | | |
| 310 (7,0 oz) | | | | | | | | | | | |
| 350 (8,0 oz) | | | | | | | | | | | |
| 400 (9,0 oz) | | | | | | | | | | | |

coloured

| Width / cm | 2,5 | 3,0 | 4,0 | 5,0 | 6,0 | 6,5 | 7,0 | 8,0 | 10,0 |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Style | | | | | | | | | |
| 170 (4,0 oz) | | | | | | | | | |

Colours: 2100 black, 2328 grey, 3105 hot red, 3125 red, 4197 hot orange, 5076 yellow, 5280 hot yellow, 6047 green, 6094 hot green, 7304 blue

Hydra Net® Tapes

| Width / cm | | 6,0 | 8,0 | 10,0 | 12,0 |
|--------------|---------|-----|-----|------|------|
| Style | | | | | |
| HN 270 | EUR / m | A | AA | A | A |
| HN 320 | EUR / m | | AA | A | A |

Insignia Tapes

| Width / cm | Finish | 2,5 | 3,0 | 4,0 | 5,0 |
|--------------|--------|-----|-----|-----|-----|
| Style | | | | | |
| 90 (2,1 oz) | NT PSA | | | | |

Colours: white, black, red, blue

Please note that other styles, colours and widths can be supplied as tapes as well.
 We will inform you about minimum order quantities on request.

Radial Tapes

Radial corner tapes are a lighter, more efficient alternative to corner construction and sail reinforcement. These tapes are made using bundles of pre-tensioned fibres to ensure low stretch and zero crimp. Tapes are available in Aramid (Gold) and Carbon (Black). Call us for more information or application recommendations.

| Style | | | Width / cm |
|-------|--------------|---------|------------|
| AT15 | PSA / Aramid | EUR / m | 2,5 |
| CT14 | PSA / Carbon | EUR / m | 2,5 |

Insignia Cloth

Sailbag Fabric

PSA Patch Material

Shelf Foot Material

Patch Material

UV Protection Cloth

Accessories

Insignia Cloth

DIMENSION-POLYANT PSA (Pressure Sensitive Adhesive) are insignia styles in Polyester and Nylon. The light and loose constructions paired with the light and efficient PSA create a low shrink insignia style suitable for sail numbers, insignias, advertising and sail repairs. Available in various colours.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-------|--------|-----------------|----------------|-------------|
| 65 NT | PSA | 1,5 | 100% Nylon | J Î |
| 90 NT | PSA | 2,1 | 100% Polyester | J Î |

Colours: white, red, black, blue

PSA Woven Patch Material

For easy handling and excellent smoothness DIMENSION-POLYANT produces comprehensive range of PSA Patch Material. The PSA adhesive provides extremely smooth reinforcements due to the large surface giving high shear strength. With our easy to use release paper the PSA Patch Material is quick and easy to apply.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-------|--------|-----------------|--------------|-------------|
| 250 | PSA | 5,8 | 250 x 300 | FH |
| 310 | PSA | 7,2 | 250 x 500 | FH |
| 360 | PSA | 8,4 | 250 x 700 | FH |

PSA Laminated Patch Material

These PSA materials are used as accessories in membrane production and other applications.

| Style | Weight Sm-oz | Construction | Width cm |
|-----------------------------------|-----------------|--|-------------|
| .75 mil PSA XI-A | 2,6 | Aramid Insert & X-PLY® Laminate w / PSA (gold) | 137 |
| .75 mil PSA XI-P | 2,6 | Polyester Insert & X-PLY® Laminate w / PSA (black) | 137 |
| Lite Skin® | 3,2 | Composite of thin film, Non-Woven & coatings w / PSA | 137 |
| Polylar (Black, Grey, Gold *) | 4,9 | Black/Grey/Gold Woven Polyester Substrate w / PSA | 137 |
| Woven Aramid PSA | 5,2 | Woven Aramid Substrate w / PSA | 137 |
| Woven Black Aramid PSA NEW | 5,2 | Woven Aramid Substrate w ith black coating w / PSA | 137 |
| Woven Aramid Film PSA | 6,3 | Woven Aramid Substrate w / PSA (film on top) | 137 |
| Woven Aramid Film PSA black | 6,3 | Dyed Black Wov. Aramid Substrate w / PSA (film on top) | 137 |

*) Polylar Gold will be phased out; available only until the existing stock is sold out.

Patch Material

DIMENSION-POLYANT has optimized this construction to be as balanced as possible while still maintaining low stretch.

| Style | | Weight Sm-oz | Construction | Width cm |
|-------|-------|-----------------|--------------|-------------|
| 360 | Patch | 8,4 | 300 x 800 | ÆÍ Ĩ |

Blockade UV Film

The ongoing development of performance sailcloth for the offshore and coastal cruising markets has created the need for a suitable UV protective material in roller furling applications. The main criteria in furling covers are superior UV resistance, flexibility, excellent abrasion resistance, high tensile strength and conformity to the stretch of the sail.

DIMENSION-POLYANT's Blockade UV Film features:

- ▶ Laminated construction for soft and pliable hand that adjusts to sail shape
- ▶ Anti-microbial additives to laminate and PSA adhesives
- ▶ PSA backing for quick and durable application
- ▶ Proven UV protection: loss of tensile strength of an Aramid sailcloth after 1200 hours of Q-UV exposure:
 - Standard laminate: 35 %
 - Blockade UV Film protected laminate: 0,2 %

| Style | Finish | Weight Sm-oz | Construction | Colour | Width cm |
|------------------|--------|-----------------|-----------------------------|--------|-------------|
| Blockade UV Film | PSA UV | 2,8 | 0.5 + 1.0 mil Blockade Film | white | ÆÍ Ĩ |

UV Protection Cloth

100% Polyester, economical, wide width, anti UV-coated, leech and foot protection fabric.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-------|--------|-----------------|----------------|-------------|
| 150 | UV | 3,5 | 100% Polyester | Í Ĩ € |

Colours: white, 2002 grey, 3002 red, 7004 blue, 7008 cobalt blue

Sailbag Fabric

DIMENSION-POLYANT rugged Nylon sail bag fabrics. Available in various colours.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-----------|---------|-----------------|--------------|-------------|
| 170 Nylon | Sailbag | 4,0 | 100% Nylon | Í Ĩ € |
| 220 Nylon | Sailbag | 5,1 | 100% Nylon | Í Ĩ € |

Colours: white, 2328 grey, 3133 red, 7347 dark blue

Shelf Foot Material

Designed to have high bias stretch this non impregnated 100% Polyester fabric will react easily on tensioning or easing off the outhaul. By turning the fabric on the bias extremely large shelf feet can be achieved when easing the outhaul and still maintaining a perfectly flat sail shape when beating the outhaul on.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-------|------------|-----------------|----------------|-------------|
| 170 | Shelf Foot | 4,0 | 100% Polyester | Í Ĩ € |
| 210 | Shelf Foot | 5,0 | 100% Polyester | ÆÍ Ĩ € |

Surf Polyester

DIMENSION-POLYANT woven Polyester surf styles. Available in various colours. 144 cm width.

| Style | Finish | Weight Sm-oz | Construction | Colours | Width cm |
|-----------|--------|-----------------|----------------|--|--------------|
| 170 Color | MT | 4,0 | 100% Polyester | s. Colour Chart white: coloured: | FI I FI I |

Colour Chart 170 Color:

white, 2100 black, 2328 grey, 3105 hot red, 3125 red, 3569 hot pink *), 4197 orange, 5076 yellow, 5280 hot yellow, 6047 green, 6094 hot green, 7304 dark blue

*) This colour will be phased out; available only until the existing stock is sold out.

Surf Laminates

DIMENSION-POLYANT laminated Polyester surf styles. Available in various colours. 144 cm width.

| Style | Finish | Weight Sm-oz | Construction | Colours | Width cm |
|-----------------|---------|-----------------|----------------|-----------------|-------------|
| 180 Profile® LL | 2.0 mil | 4,2 | 100% Polyester | s. Colour Chart | FI I |
| 210 Gitter G | 2.0 mil | 5,0 | 100% Polyester | s. Colour Chart | FI I |

Colour Chart 180 Profile® LL:

white, 2100 black, 2328 grey, 3105 hot red, 3125 red, 3569 hot pink, 4079 orange, 5281 hot yellow, 6094 hot green, 7193 blue

Colour Chart 210 Gitter G:

0100 transparent, 0150 opaque white, 0403 hot orange, 0551 hot yellow, 0703 blue

Mast Sleeve Material

Super robust material with a finish optimized for modern surf sail constructions.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-------|-------------|-----------------|----------------|-------------|
| 250 | Mast Sleeve | 5,8 | 100% Polyester | 150 |

Colour Chart Mast Sleeve Material:

white, 2100 black, 2328 grey

Monofilm

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|---------------|--------|-----------------|----------------|-------------|
| 5.0 Monofilm | 125 µ | 4,0 | 100% Polyester | 157 |
| 7.0 Monofilm | 175 µ | 6,3 | 100% Polyester | 157 |
| 10.0 Monofilm | 250 µ | 8,0 | 100% Polyester | 157 |

X-PLY® reinforced Monofilm

DIMENSION-POLYANT 13° (T725) or 22° (T825) X-PLY® reinforced Monofilm. With its optically clear Monofilm this style is specifically constructed as high tech window material as well as surf sail fabric. Now the DIMENSION-POLYANT laminate window line has been expanded to cover a wider range of performance.

T725 is our standard product and features black dyed Polyester yarns to increase tear strength. Wide spacing of the X-PLY® yarns offers excellent visibility and containment of tears should they occur. This style also has UV inhibitors in the adhesive bond to protect both the film and yarns in direct sunlight. This style is very popular for its performance and durability.

At the high end of the window applications is the new T825. This style features a white Ultra-PE yarn that provides high modulus stretch resistance and high tensile tear strength. The yarns are laid in both X-PLY® and warp insert configurations to maximize the performance of the fabric. The white yarn also tends to blend into any light background to give nearly clear optical visibility. As with the other styles, the UV block in the adhesive layer protects the Ultra-PE yarn to ensure zero loss of strength and tenacity.

| Style | Finish | Weight Sm-oz | Construction | Width cm |
|-------|---------|-----------------|---|-------------|
| T725 | 4.0 mil | 4,2 | 100% PET film w/ black Polyester X-PLY® | 137 |
| T725 | 6.0 mil | 5,8 | 100% PET film w/ black Polyester X-PLY® | 137 |
| T825 | 4.0 mil | 3,9 | 100% PET film w/ Ultra-PE X-PLY® and Insert | 137 |

Ultra-Bond® System

DIMENSION-POLYANT has developed the Ultra-Bond® adhesive and an application system to conduct sails that are bonded rather than stitched together.

The advantages of glued, rather than sewn seams include

- ▶ Ultra-Bond® adhesive eliminates any possibility of seam creep, retaining the original sail shape
- ▶ Bonded, smooth seams that are joined without any pretension
- ▶ The sail overall weight is reduced with elimination of seam reinforcement and large seam overlaps
- ▶ The sail can only be constructed using lighter bonded patches and other reinforcement
- ▶ New super light fabrics can be developed without concern of "seamability"



Bonding Systems

Item

Glue Gun HB700KD
 c/w elect. Temperature control, 3 m cable and 1,5 mm std. nozzle FCH314
 Cartridge preheater for 2 cartridges
 Nozzle 1,5 mm
 Nozzle 3,0 mm
 HT4001 Ultra-Bond® Glue Cartridge
 HM1101 Ultra-Bond® Purge Cartridge

Please mention the glue gun model number when ordering spare parts.

Q-Bond® Tapes

The patented Q-Bond® system represents the next generation in sailcloth and textile bonding technology.

Q-Bond® tape is delivered on vacuum bagged rolls and applied like a standard seamstick to join panels and sections. A special Q-Bond® activation machine utilizes a high ultrasonic frequency to melt the glue and ensures a perfect surface-to-surface melding of the substrates without overheating.

The process results in extremely strong, smooth and enduring joining seams. Since March 2003 all Q-Bond® tapes are being produced at the German DIMENSION-POLYANT factory. Simple and swift processing, consistent addition of glue and the gentle activation process of the Q-Bond® system are the most significant improvements over earlier textile bonding technologies.

Your DIMENSION-POLYANT customer support will be at your disposal to supply further information relating with the Q-Bond® system.

You may also want to visit www.q-bond.com or send e-mail to info@q-bond.com

| Style | Glue Thickness mm | Width mm | Rolls per Package |
|-----------|----------------------|-------------|----------------------|
| QBT9 020 | 0,20 | 9,0 | 10 |
| QBT9 025 | 0,25 | 9,0 | 10 |
| QBT20 014 | 0,14 | 20,0 | 6 |
| QBT20 020 | 0,20 | 20,0 | 6 |

- 30 m tape per roll
- delivery in multiples of 10 rolls (9 mm) or 6 rolls (20 mm) only

Q-Edge Tapes

Q-Edge tape covers Q-Bond® joints. Q-Edge prevents excess glue to protrude from panel edges after ultrasonic activation, enhances the joint's tensile strength and prevents water ingress into laminates.

It can also be used for patch edges, batten pockets etc. Q-Edge does not have a carrier tape.

Therefore Q-Edge makes for accelerated production and improved looks.

| Style | Width mm | Rolls per Package |
|-------|-------------|----------------------|
| QET10 | 10,0 | 30 |
| QET20 | 20,0 | 15 |
| QET50 | 50,0 | 6 |
| QET80 | 80,0 | 4 |

- 66 m tape per roll
- delivery in packages only

Bias Range

The Bias Range is DIMENSION-POLYANT's way of assuring you consistent quality sailcloth and an easy to use ordering system.

For instance, when ordering a 280 AP HMTO, DIMENSION-POLYANT guarantees to supply a lot with a bias elongation of no less than 5 units and no more than 8 units at 10 lbs. load.

| | HTP [®] plus | HMTO | MTO | FTO |
|---------------------|--------------------------------|--------|---------|---------|
| Balanced | Under a given number at 40 lbs | 5 - 10 | 10 - 15 | 15 - 25 |
| All Purpose | Under a given number at 40 lbs | 5 - 8 | 8 - 13 | 13 - 25 |
| Strong Fill | Under a given number at 40 lbs | 5 - 8 | 8 - 13 | |
| Square [®] | Under a given number at 40 lbs | 5 - 7 | 7 - 12 | |
| C-Breeze | | | 6 - 14 | |

For HTP[®] plus the bias range depends on the style. For HMTO, MTO and FTO all specs are at 10 lbs.

Various

Finish Definitions

HTP[®] plus

High Tempered Polyester. A very firm finish. Feels very crisp. It is a must to roll the sails.

HMTO

Hard Medium Tempered Optimized. Still feels crisp but not extreme. Harder MTO. Roll or fold the sail.

MTO

Medium Tempered Optimized. Firm all-round finish. Fold the sails.

FTO

Fine Tempered Optimized. Soft finish. Should be folded but can also be stuffed.

UVM[®]

Special coating improving the UV stability 25% - 30%.



All styles produced with our UVi[®] Technology are highlighted.

Summary of Terms & Conditions:

All prices quoted are net "EX WORKS".

Payment is "30 days date of invoice net" for rolled goods.

Goods remain our property until payment has been made in full.

We reserve the right to deliver "payment in advance" or "C.O.D." with customers who have overdue invoices on their account.

For overdue invoices we charge interests of 3% per annum over the minimum lending rate of the German Federal Bank.

Our usual lengths of rolls are:

| Style | | Width cm | Length m |
|------------------|-----------------------------------|-------------|-------------|
| Polyester Styles | up to 320 g/m ² | 91,4 | 100 |
| Polyester Styles | up to 340 g/m ² | 91,4 | 70 |
| Polyester Styles | up to 220 g/m ² | 140 | 100 |
| Polyester Styles | up to 310 g/m ² | 140 | 70 |
| Polyester Styles | heavier than 320 g/m ² | 140 | 50 |
| Spinnaker Styles | | | 100 |
| Laminates | | | 50 |
| Insignia | | | 25 or 50 |

Returns are subject to our prior approval.

This is just a short summary of the important points of our "general conditions of sale and delivery". Our GCS have been sent to you electronically. Additional copies can be requested from us at any time.

Information and applications as suggested in our Guide 2017 are guidelines only. In no event shall DIMENSION-POLYANT be held liable for special, incidental or consequential damages.

General Note

All suggestions are based on our world wide experience with sailcloth applications. Please note that the recommendations are meant as guidelines for modern IMS yachts or yachts of comparable righting moment and sail sizes. You should consider, when making your choice, if the sail will be used in a particular heavy- or light wind area.

Neither DIMENSION-POLYANT nor any of its affiliates assume any liability for special, incidental or consequential damages due to the recommendation given.

We accept:



Various

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