

clear ahead

Speed · Innovation · Performance

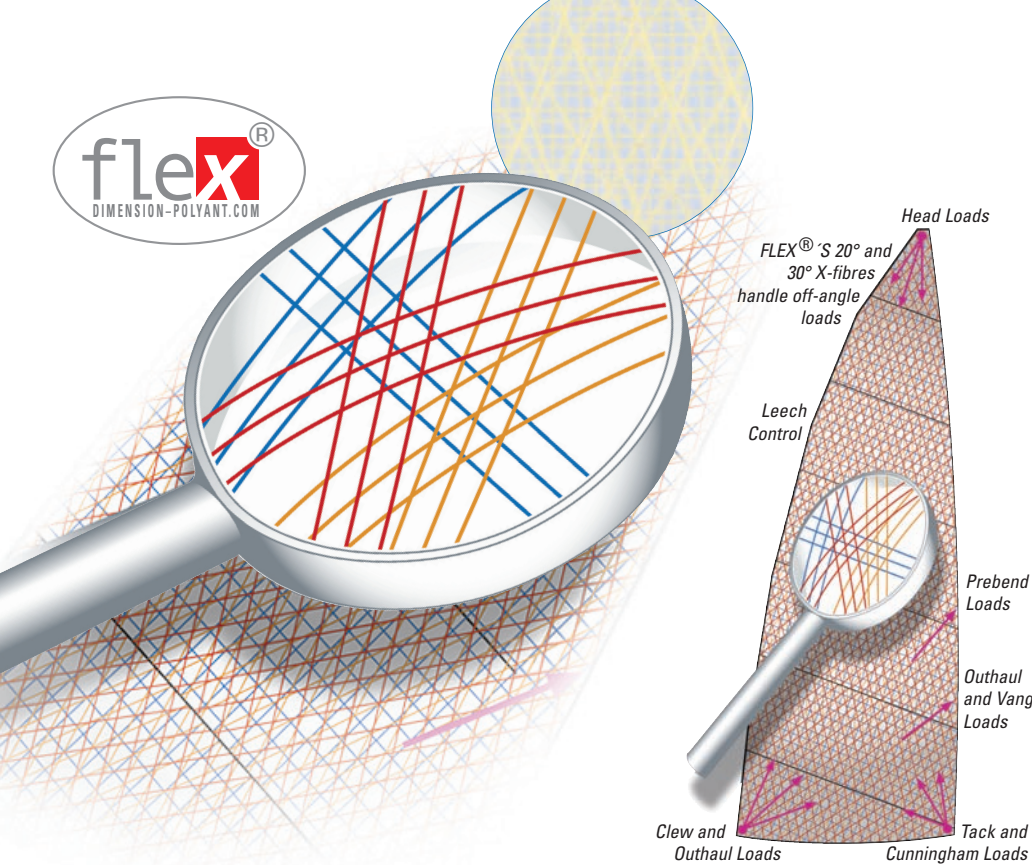
ARAMID CRUISE



FLEX[®] ARAMID CRUISE

DIMENSION-POLYANT's FLEX[®] line stands for "Fill Laminate Extra X". The FLEX[®] range of fabrics is suited to 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 firmly locked-up fiber matrix guarantees long performance life and superior durability.





sailcloth
technology

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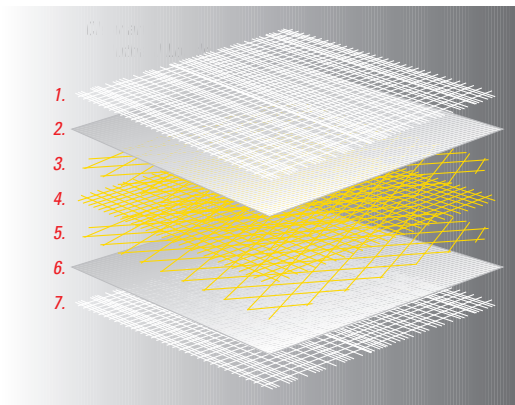
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**FLEX® - excellent
shape control**

- Multi-directional load handling – 0° Warp/90° Fill, double 20° yarns, and double 30° yarns means FLEX® handles load in six directions
- Maximum draft position – Multi-directional yarn layout addresses stability in draft position
- Leech stability – FLEX®'s double 'X's handle mid-leech loads of high- and low-aspect mains and genoas
- Step-up construction – Progressive weights in each FLEX® line allow step-up construction
- Tear strength – Strong, durable fill and warp yarns make FLEX® a tough, durable material
- Sail weight reduction – FLEX® has the ability to split weights from high-load to low-load areas
- Ease of construction – FLEX®'s two extra 'X's means there's no need to flip-flop panels



1. Anti-microbial taffeta for chafe protection and resistance to mildew
2. PET film with SPF+ UV inhibitor for low load stability and UV protection
3. 20° Yarns handle off-angle high loads: upper leech, head, tack, and clew
4. 30° Yarns handle off-angle low loads: mid-leech, prebend, boom vang
5. Fill/Warp Yarns handle primary loads, add breaking strength and durability
6. PET film with SPF+ UV inhibitor for low load stability and UV protection
7. Anti-microbial taffeta for chafe protection and resistance to mildew

Style	Warp/Fill	30° X-Fibres	20° X-Fibres
FLX08AC	4 x 4 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	
FLX13AC	4 x 4 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX16 AC	6 x 5 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX19AC	7 x 7 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX24AC	6 x 7 1,000 x 1,500 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid

Light Taffeta on both sides

www.dimension-polyant.com