

*clear ahead*

*Speed · Innovation · Performance*

ARAMID RACE



**FLEX<sup>®</sup> ARAMID RACE**

DIMENSION-POLYANT's FLEX<sup>®</sup> line stands for "Fill Laminate Extra X". The FLEX<sup>®</sup> range of fabrics is suited to racing and cruising sails. Foundations of all FLEX<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> will also absorb those dynamic loads that occur during sailing and enables excellent shape control. FLEX<sup>®</sup> 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<sup>®</sup>'s firmly locked-up fiber matrix guarantees long performance life and superior durability.





FLX 13 A



sailcloth  
technology

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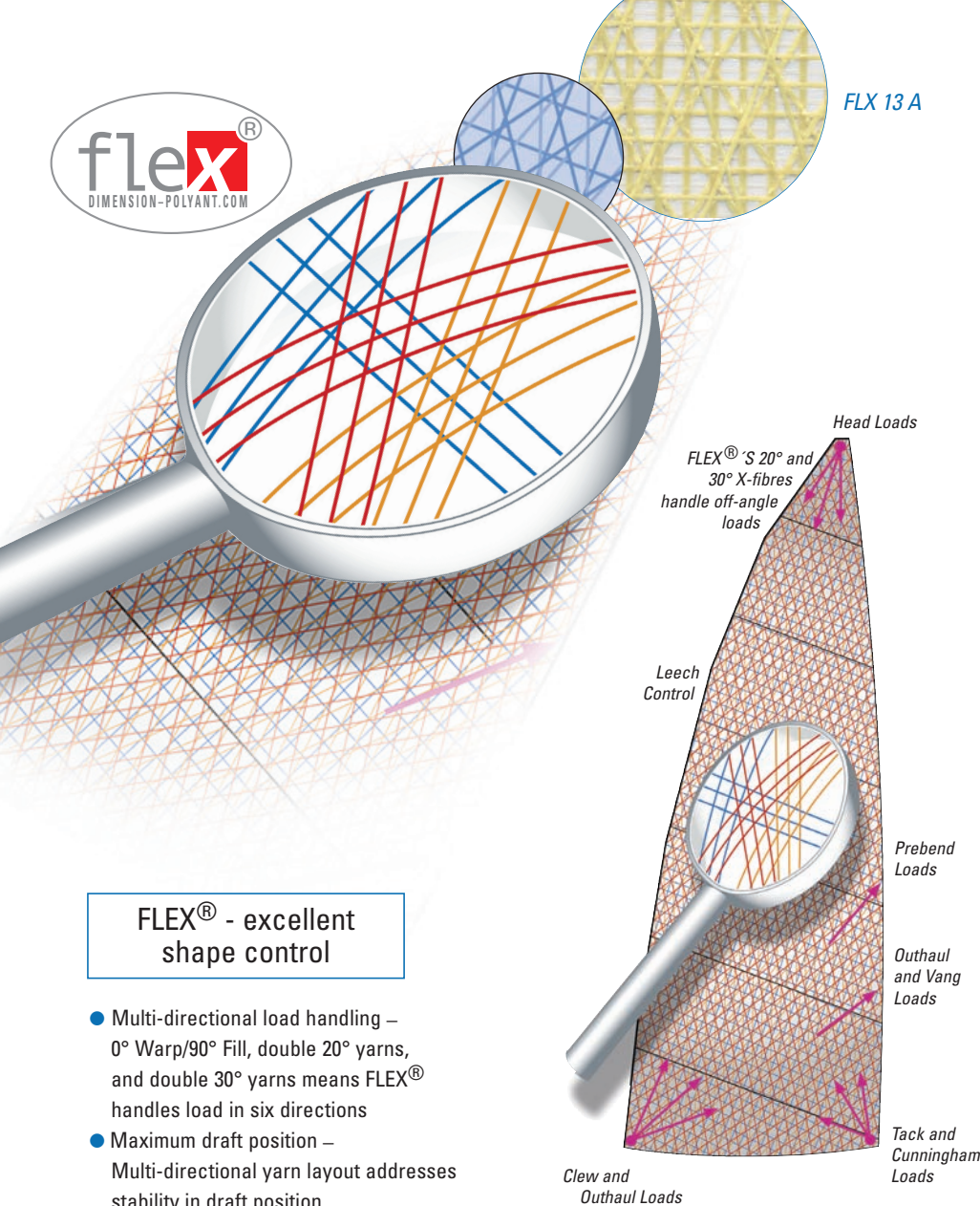
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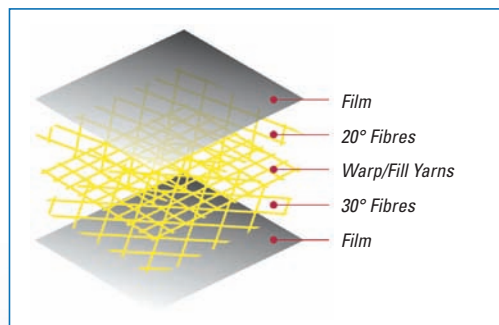
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**FLEX® - excellent  
shape control**

- 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



Style	Warp/Fill	30° X-Fibres	20° X-Fibres
FLX 08 A	4 x 4 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	
FLX 13 A	4 x 4 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX 16 A	5 x 6 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX 19 A	7 x 7 1,000 x 1,000 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid
FLX 24 A	6 x 7 1,000 x 1,500 Aramid	3 x 3 1,500 Aramid	2 x 2 1,500 Aramid

FLX13 A- FLX 24 A single taffetta UV  
double taffetta UV

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