

## Inflatable Boat Material

# 6840 X-Boat

## Flexible Reinforced Polyester Material

Physical Property	Test Method	Imperial	Metric
Base Fabric	type	Polyester	
Base Fabric Weight	ASTM D751 Nominal	5.8 oz/ yd <sup>2</sup>	197 g/ m <sup>2</sup>
Weight	ASTM D751	40 oz/ yd <sup>2</sup> +/-2 oz/ yd <sup>2</sup>	1356 g/ m <sup>2</sup> +/-70 g/ m <sup>2</sup>
Tear Strength	ASTM D751 Trapezoidal Tear	40/30 lbf	178/133 N
Breaking Yield Strength	ASTM D 751 Procedure B	450/400 lbf	2000/1780 N
Strip Tensile	ASTM D751 Grab Tensile - Warp/Fill	350/300 lbf/in	3070/2630 N/50mm
Adhesion	ASTM D 751 Dielectric Weld	20 lbf/ in	175 N/ 50 mm
Low Temperature Resistance	ASTM D 2136 Low Temperature Bend 1/8" (3.2mm) mandrel, 4 hours	Pass @ -25° F	Pass @ -32° C
Hydrostatic Resistance	ASTM D751 Procedure A	500 psi	3.45 Mpa
Abrasion Resistance	ASTM D3389 H-22 Wheel, 1000 g load	1,000 cycles before fabric exposure	

Unless stated otherwise, values presented here represent the minimum expected measurements at the time of manufacture. We believe this information is the best currently available on the subject. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience are gained. We make no guarantee of results and assume no obligation or liability whatsoever in connection with this information.