

## Inflatable Boat Material

# 4142 X-Boat

## High-Strength Coated Polyester Material

Physical Property	Test Method	Imperial	Metric
Base Fabric	type	Polyester	
Base Fabric Weight	ASTM D751 Nominal	7.1 oz/ yd <sup>2</sup>	241 g/ m <sup>2</sup>
Weight	ASTM D751	42 oz/ yd <sup>2</sup> +/-2 oz/ yd <sup>2</sup>	1424 g/ m <sup>2</sup> +/-70 g/ m <sup>2</sup>
Tear Strength	ASTM D751 Trapezoidal Tear - Warp/Fill	50/50 lbf	222/222 N
Strip Tensile	ASTM D 751 Procedure B - Warp/Fill	425/400 lbf/in	3720/3500 N/50mm
Adhesion	ASTM D 751 Dielectric Weld	10 lbf/ in	90 N/ 50 mm
Peel Adhesion	ASTM D751	6 lbf/ in	53 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
Puncture Resistance	ASTM D751 Screwdriver Tip	85 lbf	378 N
Hydrostatic Resistance	ASTM D751 Procedure A	500 psi	3.45 MPa
Abrasion Resistance	ASTM D3389 H-18 Wheel, 1000 g load	2,000 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.