



**9146 XR-5<sup>®</sup>**  
**Preliminary Specifications**

	<b>Standard</b>	<b>Metric</b>
Base Fabric Type	Polyester	Polyester
Base Fabric Weight (nominal)	11.0 oz/yd <sup>2</sup>	373 g/m <sup>2</sup>
Thickness		
ASTM D751	50 mil (min)	1.27 mm (min)
Weight		
ASTM D751	46.0 oz/yd <sup>2</sup> ± 2 oz/yd <sup>2</sup>	1560 g/m <sup>2</sup> ± 102 g/m <sup>2</sup>
Grab Tensile		
ASTM D751	850/900 lb <sub>f</sub>	3781/4003 N
Adhesion		
ASTM D751 Dielectric Weld	40 lb <sub>f</sub> /2 in	17.5 daN/5 cm
Dead Load		
ASTM D751	<i>2 in. seam, 4 hr, 1 in strip</i> 200 lb <sub>f</sub> @ 70° F 100 lb <sub>f</sub> @ 160° F	<i>50 mm seam, 4 hr, 25 mm strip</i> 890 N @ 21° C 445 N @ 71° C
Bursting Strength		
ASTM D751 (Ball Tip)	1100 lb <sub>f</sub>	5560 N
Low Temperature		
ASTM D2136	-10°F	-23°C
Weathering Resistance		
ASTM G23 (Carbon-Arc)	8000 hrs (minimum) – No appreciable changes or stiffening or cracking of coating	
Water Absorption		
ASTM D471	0.025 kg/m <sup>2</sup> (maximum) at 70° F/21° C	
<i>Section 12, 7 days</i>	0.14 kg/m <sup>2</sup> (maximum) at 212° F/100° C	

Unless stated otherwise, values presented above 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.

*XR-5<sup>®</sup> is a registered trademark of Seaman Corporation*

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*Innovative Customer Solutions through Fiber and Polymer Technology*

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