

**6730 XR-5® Geomembranes**

XR® Technology by Seaman Corporation

6730 XR-5 for Floating Baffle Systems

6730 XR-5	Standard	Metric
Base Fabric Type	Polyester	
Base Fabric Weight (nominal) ASTM D 751	7.0 oz/yd <sup>2</sup>	235 g/m <sup>2</sup>
Thickness - ASTM D 751	30 mils min	0.76 mm min
Coating Type	Elvaloy® based XR-5® compound	
Finished Coated Weight ASTM D 751	30.0 ± 2oz/yd <sup>2</sup>	1017 ± 70 g/m <sup>2</sup>
Breaking Yield Strength ASTM D751 Grab Tensile	600/550 lbs min	2670/2447 N min
Strip Tensile ASTM D751 Procedure B	450/400 lb <sub>f</sub> /in	400/356 daN/5 cm
Adhesion Heat Welded Seam ASTM D 751 Dielectric Weld	15 lbs/in RF weld min	15 daN/5 cm min
Hydrostatic Resistance ASTM D751, Procedure A	800 psi	5.51 MPa
Low Temperature Resistance ASTM D 2136 1/8" mandrel, 4 hr	Pass @ -30° F min	Pass @ -35° C min
Dimensional Stability ASTM D1204, 212° F - 1 hr	0.5% max each direction	
Adhesion - Heat Welded Seam ASTM D 751, Dielectric Weld	40 lb/2 in min	17.5 N/5 cm min
Bursting Strength ASTM D 751, Ball Tip	750 lb min	3330 N min
Hydrostatic Resistance ASTM D 751, Procedure A	800 psi min	5.51 MPa min
Blocking Resistance ASTM D 751 (180° F/82° C)	# 2 Rating max	
Adhesion - Ply ASTM D 413, Type A	15 lb/in min or Film Tearing Bond	13 daN/5 cm min or Film Tearing Bond
Bonded Seam Strength ASTM D751, Grab Test Method, Procedure A	550 lb min	2560 N min
Abrasion Resistance ASTM D3389, H-18 Wheel, 1 kg Load	2000 cycles (min.) before fabric exposure 50 mg/100 cycles max weight loss	
Weathering Resistance Carbon-Arc ASTM G153	8000 hrs (min) - No appreciable changes or stiffening or cracking of coating	
Water Absorption ASTM D 471, Section 12, 7 days	0.025 kg/m <sup>2</sup> max @ 70° F/21° C 0.14 kg/m <sup>2</sup> max @ 212° F/100° C	
Wicking - ASTM D 751	1/8 in max	0.3 cm max
Puncture Resistance ASTM D4833	275 lbmin	1200 N min
Coefficient of Thermal Expansion/Contraction ASTM D 696	8 x 10 <sup>-6</sup> in/in/°F max	1.4 x 10 <sup>-5</sup> cm/cm/°C max
Cold Crack ASTM D 2136 4 hrs, 1/8" Mandrel	Pass @ 30° F	Pass @ -34° C

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. In case of conflict between standard and metric specifications, standard shall apply.