

## Style 6730 XR-5<sup>®</sup> for Floating Baffle Systems

| XR-5 <sup>®</sup> 6730                           | Test Method                       | Standard                          | Metric                            |
|--|-----------------------------------|-----------------------------------|-----------------------------------|
| Base Fabric Type<br>Base Fabric Weight (nominal) | ASTM D751                         | Polyester<br>7 oz/yd <sup>2</sup> | Polyester<br>235 g/m <sup>2</sup> |
| Thickness  | ASTM D751                         | 30.0 mils min                     | 0.76 mm min                       |
| Weight   | ASTM D751                         | 30.0 ± 2 oz/yd <sup>2</sup>       | 1017 ± 2 g/m <sup>2</sup>         |
| Breaking<br>Yield Strength                       | ASTM D751<br>Grab Tensile         | 600 lb min                        | 2670/2447 N min                   |
| Low Temperature                                  | ASTM D2136<br>4 hr - 1/8" mandrel | Pass @ -30° F                     | Pass @ -35° C                     |
| Dimensional Stability                            | ASTM D1204<br>100° C - 1 hr       | 0.5% max<br>each direction        | 0.5% max<br>each direction        |
| Adhesion<br>Heat Welded Seam                     | ASTM D751<br>Dielectric Weld      | 15 lb/in Rfweld<br>min            | 15 daN/5 cm<br>min                |
| Bursting Strength                                | ASTM D751<br>Ball Tip             | 750 lb min                        | 3330 N min                        |

## GEOMEMBRANE SPECIFICATIONS

## Style 6730 XR-5<sup>®</sup> for Floating Baffle Systems

| XR-5 <sup>®</sup> 6730                          | Test Method                                  | Standard  | Metric                                  |
|---|--|---|---|
| Hydrostatic Resistance                          | ASTM D751<br>Procedure                       | 800 psi min   | 5.51 MPa min                            |
| Blocking Resistance                             | ASTM D751<br>180° F                          | #2 Rating max   |   |
| Adhesion - Ply                                  | ASTM D413<br>Type A                          | 15 lb/in min<br>or Film Tearing Bond  | 13 daN/5 cm min<br>or Film Tearing Bond |
| Bonded Seam Strength                            | ASTM D751<br>Grab Test Method<br>Procedure A | 550 lb min  | 2560 N min                              |
| Abrasion Resistance                             | ASTM D3389<br>H-18 Wheel<br>1kg Load         | 2000 cycles (min) before fabric exposure<br>50 mg/100 cycles max weight loss            |   |
| Weathering<br>Resistance                        | ASTM G153<br>(Carbon-Arc)                    | 8000 hrs (min)-No appreciable changes<br>or stiffening or cracking of coating           |   |
| Water Absorption                                | ASTM D471<br>Section 12<br>7 Days            | 0.025 kg/m <sup>2</sup> max @ 70° F/21° C<br>0.14 kg/m <sup>2</sup> max @ 212° F/100° C |   |
| Wicking   | ASTM D751                                    | 1/8 in max  | 0.3 cm max                              |
| Puncture Resistance                             | ASTM D4833                                   | 275 lb min  | 1200 N min                              |
| Coefficient Of Thermal<br>Expansion/Contraction | ASTM D696                                    | 8 x 10 <sup>-6</sup> in/in/°F<br>max  | 1.4 x 10 <sup>-5</sup> cm/cm/°C<br>max  |
| Environmental/Chemical<br>Resistant Properties  | See Chemical Resistance Table                |   |   |
| Cold Crack                                      | ASTM D2136<br>4hrs, 1/8 Mandrel              | Pass @ - 30°C   | Pass @ - 34°C                           |

**Seaming:** Thermal welding methods are recommended. No glues or solvents are suggested.

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 the 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.