

8130 XR-FR

Flexible Reinforced Geomembrane Material with Fire Resistance

| Physical Property | Test Method | Imperial | Metric |
|------------------------|--|---|--|
| Base Fabric | type | Polyester | |
| Base Fabric Weight | nominal | 6.5 oz/yd ² ±2 oz/yd ² | 220.4 g/m ² ±68 g/m ² |
| Thickness | ASTM D751 | 30 mil (minimum) | 0.76 mm (minimum) |
| Weight | ASTM D751 | 30.0 oz/yd ² ±2 oz/yd ² | 1017 g/m ² ±68 g/m ² |
| Trapezoid Tear | ASTM D4533 | warp: 40 lb fill: 55 lb | warp: 178 N fill: 245 N |
| Grab Tensile | ASTM D751 | warp: 550 lb fill: 550 lb | warp: 2448 N fill: 2448 N |
| Dead Load | ASTM D751 2-in (50mm) seam, 4 hours, 1-in (25mm) strip | 240 lb @ 70° F 120 lb @ 160° F | 1068 N @ 21° C 534 N @ 71° C |
| Adhesion | ASTM D751 Dielectric Weld | 40 lb/ 2 in | 35 daN/ 5 cm |
| Bursting Strength | ASTM D751 Ball Tip | 700 lb | 3115 N |
| Bonded Seam Strength | ASTM D751 | 550 lb | 2448 N |
| Low Temperature | ASTM D2136 | Pass @ -50° F | Pass @ -46° C |
| Hydrostatic Resistance | ASTM D751 | 800 psi | 5.5 mPa |
| Abrasion Resistance | ASTM D3389 H-18 Wheel | 2000 cycles before fabric exposure 50mg/100 cycles maximum weight loss | |
| Flame Resistance | NFPA 701 Method 2 | Pass | |

Preliminary Specification | Issued June 2021

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.