

PETROGARD X

| | Standard | SI Units |
|-------------------------------------|---|---|
| Base Fabric Type | Nylon | Nylon |
| Base Fabric Weight (nominal) | 13.0 oz/yd ² | 441 g/m ² |
| Coating Type | Polyester based polyurethane | Polyester based polyurethane |
| Thickness | | |
| ASTM D751 | 38 ± 3 mil | 0.97 ± 0.08 mm |
| Weight | | |
| ASTM D751 | 38oz/yd ² ± 2 oz/yd ² | 1221 g/m ² ± 102 g/m ² |
| Grab Tensile | | |
| ASTM D751 | 1100/1100 lb | 4895/4895 N |
| Strip Tensile | | |
| ASTM D751 Procedure B | 775/725 lb/in | 679/635 daN/5 cm |
| Low Temperature | | |
| ASTM D2136 | 1/8 in mandrel, 4 hr Pass @ -30° F | 3 mm mandrel, 4 hr Pass @ -34° C |
| Adhesion | | |
| ASTM D751 Dielectric Weld | 20 lb/in 1 | 7.5 daN/5 cm |
| Dead Load | | |
| ASTM D751 | 2 in. seam, 4 hr, 1 in strip 200 lb @ 70° F 100 lb@ 160° F | 50 mm seam, 4 hr, 25 mm strip 890 N @ 21° C 445 N @ 71° C |
| Bursting Strength | | |
| ASTM D751 (Ball Tip) | 1750 lb | 7788 N |
| Hydrostatic Resistance | | |
| ASTM D751 Procedure A | 800 psi | 5.52 MPa |
| Blocking Resistance | | |
| ASTM D751 180°F/82°C | # 2 rating (max.) | #2 rating (max.) |
| Weathering Resistance | | |
| ASTM G23 (Carbon-Arc) | 8000 hrs (minimum) - No appreciable changes or stiffening or cracking of coating | |
| Abrasion Resistance | | |
| ASTM D3389 H-22 wheel/1000g load | 10,000 cycles (minimum) before fabric exposure | |