### Tested Property | Test Method | Unit English (Metric) | Value English (Metric)
--- | --- | --- | ---
Thickness | ASTM D 5199 | mils (mm) | 20.0 (0.50) 21.0 (0.53)
Density | ASTM D 792 or ASTM D 1505 | g/cm³ | 0.939 max
Tensile Strength | ASTM D 638/D6693 | lbf/in width (N/mm width) | 76 (13) 800 104 (18) 875
Hydrostatic Resistance | ASTM D 751 (814) | psi (kPa) | 188 (841) 122 (1206)
Puncture Resistance | ASTM D 4883 (130) | lbf (N) | 30 (195) 44 (200)
Tear Resistance | ASTM D 1004 (49) | lbf (N) | 11 (62) 14 (71)
Volatile Loss Method A | ASTM 1203 | % | < 1
Resistance to Soil Burial | ASTM D 3083 | % change in max. original value | ±10
Low Temp, Impact Failure Temp | ASTM D 746 | °F (°C) | (-70) < -94
Dimensional Stability | ASTM D 1204 | % change | < 2
Environmental stress crack Resistance hours to failure | ASTM D 5397 Appendix A | hrs | >400
Carbon Black | ASTM D 1603 or D 4218 | % | 2.0 2.5
Perms | ASTM E96 Method A 73°F, 50% RH | grains/ft²/hr/in. HG (grains/m²/day/mm. HG) | 0.045 (0.030)

### Factory Seam Requirements

| Bonded Seam Strength | ASTM D 4545 Mod* | lbf/in. width (N/cm width) | 40 (70) 45 (79)
| Seal Peel Adhesion | ASTM D 4545 Mod* | lbf/in. width (N/cm width) | 30 (53) 36 (63)

Nominal Weight/Thousand Square Feet: 105 lbs.

*Seam testing performed at 12 ft/minute.

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**TITAN ENVIRONMENTAL CONTAINMENT**

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