



POLYMER INDUSTRIES

AVALANCHE Liners : Medium Duty Liners Typical Properties

| Property* | ASTM Test Method | Typical Values | |
|--|-------------------|---------------------------|---------------------------|
| | | English Units | Metric Units |
| Density | D1505 | 59.2 lbs/ft ³ | 0.948 g/cc |
| Melt Flow Rate (HLMI), Condition 190 °C / 21.6 kg | D1238 | --- | 10 g / 10 min |
| Polyethylene Classification | D4976 | Group 2, Class 3, Grade 5 | Group 2, Class 3, Grade 5 |
| Potable Water Standards | NSF International | Meets Standards 14 & 61 | Meets Standards 14 & 61 |
| Tensile Strength @ Yield | D638 | 3,600 psi | 24.8 MPa |
| Elongation at Break | D638 | 700% | 700% |
| Flexural Modulus | D790 | 175,000 psi | 1207 MPa |
| ESCR, Condition A & B (100% Igepal), F ₅₀ | D1693 | > 600 hours | > 600 hours |
| Durometer Hardness | D2240 | 68 Shore D | 68 Shore D |
| Vicat Softening Temperature | D1525 | 258 °F | 126 °C |
| Heat Deflection Temperature @ 66 psi | D648 | 173 °F | 78 °C |
| Brittleness Temperature | D746 | < -103 °F | < -75 °C |
| Tensile Impact Strength | D1822 | 90 ft-lbf/in ² | 190 KJ/m ² |
| Fire Rating | --- | UL94HB | UL94 HB |

*The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

Typical Properties reported herein were determined on compression molded samples prepared in accordance with Procedure C of ASTM D4703, Annex A1.