

HiFill® PBT E IM SL3

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

| | |
|-------------------|---|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • Impact Modifier • Silicone Lubricant |
| Features | • Impact Modified • Lubricated |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Extrusion |

Properties ¹

| | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Physical | | | |
| Density / Specific Gravity | 1.22 | | ASTM D792 |
| Molding Shrinkage - Flow (0.125 in) | 0.020 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 0.10 | % | ASTM D570 |
| Mechanical | | | |
| Tensile Strength (Yield) | 5400 | psi | ASTM D638 |
| Tensile Elongation (Break) | 25 | % | ASTM D638 |
| Flexural Modulus | 225000 | psi | ASTM D790 |
| Flexural Strength (Yield) | 8000 | psi | ASTM D790 |
| Impact | | | |
| Notched Izod Impact (0.125 in) | 3.0 | ft·lb/in | ASTM D256 |
| Hardness | | | |
| Rockwell Hardness (R-Scale) | 117 | | ASTM D785 |
| Thermal | | | |
| Deflection Temperature Under Load (66 psi, Unannealed) | 215 | °F | ASTM D648 |
| Deflection Temperature Under Load (264 psi, Unannealed) | 125 | °F | ASTM D648 |
| CLTE - Flow | 5.5E-5 | in/in/°F | ASTM D696 |
| Electrical | | | |
| Volume Resistivity | 1.0E+15 | ohms·cm | ASTM D257 |
| Dielectric Strength (Method A (Short-Time)) | 500 | V/mil | ASTM D149 |
| Flammability | | | |
| Flame Rating (0.06 in) | HB | | UL 94 |

Notes
¹ Typical properties: these are not to be construed as specifications.
