

HiFill® PBT 2520 GF7

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

| | |
|-------------------|----------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Features | • UV Resistant |
| Appearance | • Colors Available |
| Processing Method | • Injection Molding |

Properties ¹

| | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Physical | | | |
| Density / Specific Gravity | 1.30 | | ASTM D792 |
| Molding Shrinkage - Flow (0.125 in) | 7.0E-3 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 0.10 | % | ASTM D570 |
| Mechanical | | | |
| Tensile Strength (Break) | 6500 | psi | ASTM D638 |
| Tensile Elongation (Break) | 7.0 | % | ASTM D638 |
| Flexural Modulus | 390000 | psi | ASTM D790 |
| Flexural Strength | 10500 | psi | ASTM D790 |
| Impact | | | |
| Notched Izod Impact | | | ASTM D256 |
| -4°F, 0.125 in | 2.5 | ft-lb/in | |
| 73°F, 0.125 in | 2.6 | ft-lb/in | |
| Hardness | | | |
| Rockwell Hardness (R-Scale) | 104 | | ASTM D785 |
| Thermal | | | |
| Deflection Temperature Under Load (66 psi, Unannealed) | 390 | °F | ASTM D648 |
| Deflection Temperature Under Load (264 psi, Unannealed) | 200 | °F | ASTM D648 |
| CLTE - Flow | 2.2E-5 | in/in/°F | ASTM D696 |
| Electrical | | | |
| Volume Resistivity | 1.0E+16 | ohms·cm | ASTM D257 |
| Dielectric Strength (Method A (Short-Time)) | 400 | V/mil | ASTM D149 |
| Flammability | | | |
| Flame Rating (0.13 in) | HB | | UL 94 |

