

HiFill® PSU 0147 TC-1

 Techmer Polymer Modifiers - *Polysulfone*
General Information
General

| | |
|-------------------|--|
| Material Status | <ul style="list-style-type: none"> Commercial: Active |
| Availability | <ul style="list-style-type: none"> North America |
| Features | <ul style="list-style-type: none"> Thermally Conductive |
| Appearance | <ul style="list-style-type: none"> Black Natural Color |
| Processing Method | <ul style="list-style-type: none"> Injection Molding |

Properties ¹

| | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Physical | | | |
| Density / Specific Gravity | 1.47 | | ASTM D792 |
| Molding Shrinkage - Flow (0.125 in) | 5.0E-3 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 0.30 | % | ASTM D570 |
| Mechanical | | | |
| Tensile Strength | 8000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 1.0 | % | ASTM D638 |
| Flexural Modulus | 575000 | psi | ASTM D790 |
| Flexural Strength | 15000 | psi | ASTM D790 |
| Impact | | | |
| Notched Izod Impact (73°F, 0.125 in) | 0.60 | ft·lb/in | ASTM D256 |
| Hardness | | | |
| Rockwell Hardness (R-Scale) | 120 | | ASTM D785 |
| Thermal | | | |
| Deflection Temperature Under Load (66 psi, Unannealed) | 360 | °F | ASTM D648 |
| Deflection Temperature Under Load (264 psi, Unannealed) | 345 | °F | ASTM D648 |
| CLTE - Flow | 4.0E-5 | in/in/°F | ASTM D696 |
| Electrical | | | |
| Volume Resistivity | 1.0E+16 | ohms·cm | ASTM D257 |
| Dielectric Strength (Method A (Short-Time)) | 550 | V/mil | ASTM D149 |

