

HiFill® PA6/6 HS MB

 Techmer Polymer Modifiers - *Polyamide 66*
General Information

| General | |
|-------------------|--------------------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • Heat Stabilizer • Lubricant |
| Features | • Heat Stabilized • Lubricated |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Density / Specific Gravity | 1.14 | | ASTM D792 |
| Molding Shrinkage - Flow | 0.018 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 1.2 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 12000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 60 | % | ASTM D638 |
| Flexural Modulus | 420000 | psi | ASTM D790 |
| Flexural Strength | 20000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (0.125 in) | 1.1 | ft·lb/in | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 105 | | ASTM D785 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 459 | °F | ASTM D648 |
| Deflection Temperature Under Load (264 psi, Unannealed) | 190 | °F | ASTM D648 |
| CLTE - Flow | 4.3E-5 | in/in/°F | ASTM D696 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 1.0E+13 | ohms·cm | ASTM D257 |
| Dielectric Strength (Method A (Short-Time)) | 450 | V/mil | ASTM D149 |
| Additional Information | Nominal Value | Unit | Test Method |
| TPCI # | 9094101 | | |

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