

HiFill® PA6/6 L LE BK MB

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
General

| | |
|-------------------|----------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • Lubricant |
| Features | • Lubricated |
| Appearance | • Black |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------|----------------------|-------------|--------------------|
| Density / Specific Gravity | 1.13 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 471000 | psi | ASTM D638 |
| Tensile Strength (Yield) | 11700 | psi | ASTM D638 |
| Tensile Strength (Break) | 11300 | psi | ASTM D638 |
| Tensile Elongation (Break) | 3700 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (0.125 in) | 0.76 | ft·lb/in | ASTM D256 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------------|-------------|
| Drying Temperature | 180 | °F |
| Drying Time | 4.0 | hr |
| Rear Temperature | 520 to 540 | °F |
| Middle Temperature | 520 to 550 | °F |
| Front Temperature | 530 to 550 | °F |
| Nozzle Temperature | 520 to 540 | °F |
| Processing (Melt) Temp | 535 to 570 | °F |
| Mold Temperature | 150 to 180 | °F |
| Injection Rate | Slow | |
| Back Pressure | 0.00 to 50.0 | psi |
| Screw Speed | Slow-Moderate | |

Notes

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

