

HiFill® 90-80039 GY

 Techmer Polymer Modifiers - *Polyethylene*
General Information
General

| | |
|------------------------|----------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Filler / Reinforcement | • Iron |
| Appearance | • Grey |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------|---------------|----------|-------------|
| Density / Specific Gravity | 1.17 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 2750 | psi | ASTM D638 |
| Tensile Elongation (Break) | 10 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (0.125 in) | 0.98 | ft·lb/in | ASTM D256 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 180 | °F |
| Rear Temperature | 440 to 480 | °F |
| Middle Temperature | 450 to 500 | °F |
| Front Temperature | 460 to 500 | °F |
| Nozzle Temperature | 450 to 590 | °F |
| Processing (Melt) Temp | 475 to 535 | °F |
| Mold Temperature | 45 to 65 | °F |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 0.00 to 100 | psi |
| Screw Speed | Slow-Moderate | |

