

Plaslube® TPEL TS12 02 HS BK

 Techmer Polymer Modifiers - *Thermoplastic Elastomer*
General Information
General

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

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|----------------------------|----------------------|-------------|--------------------|
| Density / Specific Gravity | 1.18 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 9.70E+6 | psi | ASTM D638 |
| Tensile Strength (Break) | 1700 | psi | ASTM D638 |
| Tensile Elongation (Break) | 410 | % | ASTM D638 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D) | 37 | | ISO 868 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------------|-------------|
| Drying Temperature | 180 | °F |
| Drying Time | 2.0 to 4.0 | hr |
| Rear Temperature | 355 to 390 | °F |
| Middle Temperature | 375 to 410 | °F |
| Front Temperature | 390 to 430 | °F |
| Nozzle Temperature | 390 to 430 | °F |
| Processing (Melt) Temp | 355 to 430 | °F |
| Mold Temperature | 50 to 95 | °F |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 0.00 to 50.0 | psi |
| Screw Speed | Slow-Moderate | |

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