

Plaslube® PA6/6 TL20

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
General

| | |
|-------------------|--|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • PTFE Lubricant: 20% |
| Features | • Low Friction • Lubricated • Wear Resistant |
| UL File Number | • E157318 |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|----------------------|---|--------------------|
| Density / Specific Gravity | 1.26 | | ASTM D792 |
| Molding Shrinkage - Flow (0.125 in) | 0.015 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 1.0 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 9000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 40 | % | ASTM D638 |
| Flexural Modulus | 380000 | psi | ASTM D790 |
| Flexural Strength | 13500 | psi | ASTM D790 |
| Coefficient of Friction | | | ASTM D1894 |
| vs. Steel - Dynamic | 0.18 | | |
| vs. Steel - Static | 0.10 | | |
| Wear Factor | 12 | 10 ⁻¹⁰ in ³ ·min/ft·lb·hr | ASTM D3702 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F, 0.125 in) | 0.70 | ft·lb/in | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 114 | | ASTM D785 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 220 | °F | ASTM D648 |
| CLTE - Flow | 4.6E-5 | in/in/°F | ASTM D696 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 1.0E+14 | ohms·cm | ASTM D257 |
| Dielectric Strength (Method A (Short-Time)) | 480 | V/mil | ASTM D149 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | HB | | UL 94 |
| Additional Information | Nominal Value | Unit | Test Method |
| TPCI # | 9740101 | | |

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