

Plaslube® TPX-LCP-01015

Techmer Polymer Modifiers - *Liquid Crystal Polymer*

General

| | |
|-----------------|-----------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • PTFE Lubricant: 15% |

Properties ¹

| | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Physical | | | |
| Density / Specific Gravity | 1.50 | | ASTM D792 |
| Molding Shrinkage - Flow (0.125 in) | 5.0E-4 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 0.30 | % | ASTM D570 |
| Mechanical | | | |
| Tensile Strength | 24000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 5.0 | % | ASTM D638 |
| Flexural Modulus | 1.10E+6 | psi | ASTM D790 |
| Flexural Strength | 19000 | psi | ASTM D790 |
| Impact | | | |
| Notched Izod Impact (0.125 in) | 4.0 | ft·lb/in | ASTM D256 |
| Hardness | | | |
| Rockwell Hardness (R-Scale) | 112 | | ASTM D785 |
| Thermal | | | |
| Deflection Temperature Under Load (264 psi, Unannealed) | 405 | °F | ASTM D648 |
| Electrical | | | |
| Volume Resistivity | 1.0E+16 | ohms·cm | ASTM D257 |
| Dielectric Strength | 600 | V/mil | ASTM D149 |
| Flammability | | | |
| Flame Rating | V-0 | | UL 94 |
| Additional Information | | | |
| TPCI # | 9.91E+6 | | |

