

Plaslube® ABS TL2

Acrylonitrile Butadiene Styrene
Techmer Engineered Solutions

Message:

Plaslube® ABS TL2 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in North America.
Primary characteristic: lubricated.

| General Information | | | |
|--|-------------------|----------------------------|-------------|
| Additive | PTFE Lubricant | | |
| Features | Lubricated | | |
| Appearance | Colors Available | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.05 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 4.5 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.18 mm) | 0.60 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 103 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 30.3 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 4.0 | % | ASTM D638 |
| Flexural Modulus | 2210 | MPa | ASTM D790 |
| Flexural Strength | 62.7 | MPa | ASTM D790 |
| Coefficient of Friction | | | ASTM D1894 |
| vs. Steel - Dynamic | 0.25 | | |
| vs. Steel - Static | 0.21 | | |
| Wear Factor | 690 | 10 ⁻⁸ mm³/N · m | ASTM D3702 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -40°C, 3.18 mm | 53 | J/m | |
| 0°C, 3.18 mm | 100 | J/m | |
| 23°C, 3.18 mm | 270 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 104 | °C | |
| 1.8 MPa, Unannealed | 77.8 | °C | |

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