

Plaslube® PC/PET IM 1016 UV

 Techmer Polymer Modifiers - *Polycarbonate + PET*
General Information
General

| | |
|-------------------|---------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • Impact Modifier |
| Features | • Impact Modified • UV Resistant |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------|----------------------|-------------|--------------------|
| Density / Specific Gravity | 1.21 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 280000 | psi | ASTM D638 |
| Tensile Strength (Yield) | 7800 | psi | ASTM D638 |
| Tensile Strength (Break) | 7100 | psi | ASTM D638 |
| Tensile Elongation (Break) | 100 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (0.125 in) | 12 | ft·lb/in | ASTM D256 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------------|-------------|
| Drying Temperature | 250 | °F |
| Drying Time | 2.0 to 3.0 | hr |
| Rear Temperature | 490 to 520 | °F |
| Middle Temperature | 500 to 530 | °F |
| Front Temperature | 510 to 540 | °F |
| Nozzle Temperature | 520 to 550 | °F |
| Processing (Melt) Temp | 495 to 550 | °F |
| Mold Temperature | 125 to 200 | °F |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 25.0 to 75.0 | psi |
| Screw Speed | Slow | |

