

InLube® PCTF7HFFR

Americhem - Polycarbonate

General Information

Product Description

7% PTFE LUBRICATED, HIGH FLOW, FLAME RETARDANT POLYCARBONATE

General

| | | | |
|-------------------|--|--|--|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Additive | • Flame Retardant • PTFE Lubricant: 7% | | |
| Features | • Chemical Resistant • Flame Retardant • Good Mold Release | • Halogenated • High Flow • Low Friction | • Lubricated • Wear Resistant |
| Uses | • Automotive Applications • Closures • Connectors • Consumer Applications | • Electrical/Electronic Applications • Engineering Parts • Household Goods • Housings | • Industrial Applications • Industrial Parts • Office Automation Equipment |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

 Properties ¹

| | Nominal Value | Unit | Test Method |
|---|------------------|----------|-------------|
| Physical | | | |
| Density / Specific Gravity | 1.27 | | ASTM D792 |
| Molding Shrinkage - Flow | 5.0E-3 to 7.0E-3 | in/in | ASTM D955 |
| Mechanical | | | |
| Tensile Modulus | 350000 | psi | ASTM D638 |
| Tensile Strength | 8500 | psi | ASTM D638 |
| Tensile Elongation (Yield) | > 10 | % | ASTM D638 |
| Flexural Modulus | 330000 | psi | ASTM D790 |
| Flexural Strength | 11500 | psi | ASTM D790 |
| Impact | | | |
| Notched Izod Impact (0.125 in) | 4.5 | ft·lb/in | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load (264 psi, Unannealed) | 275 | °F | ASTM D648 |
| Flammability | | | |
| Flame Rating | | | UL 94 |
| 0.030 in | V-2 | | |
| 0.12 in | V-0 | | |

Processing Information

| | Nominal Value | Unit |
|------------------------|---------------|------|
| Injection | | |
| Drying Temperature | 250 | °F |
| Drying Time | 3.0 to 4.0 | hr |
| Suggested Max Moisture | 0.020 | % |
| Processing (Melt) Temp | 520 to 590 | °F |
| Mold Temperature | 160 to 200 | °F |
| Back Pressure | 50.0 to 100 | psi |
| Screw Speed | 40 to 70 | rpm |

