

PolyOne Lubri-Tech™ PI-10CF/15T Polyetherimide (PEI), Carbon Fiber Reinforced, PTFE Lubricated (discontinued)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Description/Features: Carbon Fiber Reinforced PTFE Lubricated PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-PI-10CF15T-Polyetherimide-PEI-Carbon-Fiber-Reinforced-PTFE-Lubricated-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.398 g/cc	1.398 g/cc	ASTM D792
Water Absorption	0.015 %	0.015 %	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0025 - 0.0030 cm/cm	0.0025 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	103 MPa	15000 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	6.89 GPa	1000 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	131 MPa	19000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.908 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.70 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Method A, Injection Molded; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	400 °F	Annealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 - 1.00e+6 ohm-cm	1000 - 1.00e+6 ohm-cm	ASTM D257
Surface Resistivity per Square	1000 - 1.00e+6 ohm	1000 - 1.00e+6 ohm	ASTM D257

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	343 - 371 °C Metric	650 - 700 °F English	Molding Comments
Mold Temperature	121 - 149 °C	250 - 300 °F	
Drying Temperature	121 - 149 °C	250 - 300 °F	
Dry Time	2 hour	2 hour	

Descriptive Properties	Value	Comments
Product Form	Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

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