

PolyOne Lubri-Tech™ ES-000/15T Polyethersulfone, PTFE Lubricated (discontinued **)

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

Material Notes:

Description/Features:PTFE LubricatedInformation provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-ES-00015T-Polyethersulfone-PTFE-Lubricated-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Water Absorption	0.40 % @Thickness 3.17 mm	0.40 % @Thickness 0.125 in	24 hr. Immersion; ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0070 cm/cm	0.0060 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.5 MPa	9500 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	5.0 %	5.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.55 GPa	370 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Izod Impact, Notched	0.587 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.10 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)	202 °C	395 °F	Unannealed, 0.125 in bars; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257

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