

Techmer ES Luriblend® PSU TL20

Category : Polymer , Thermoplastic , Polysulfone (PSU) , Polysulfone with PTFE/Silicone Filler

Material Notes:

Availability: North America Forms: Pellets Additive: PTFE Lubricant Features: Lubricated Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PSU-TL20.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
Water Absorption	0.14 %	0.14 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0070 cm/cm	0.0070 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	68	68	ASTM D785
Tensile Strength, Yield	52.4 MPa	7600 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Yield Strength	81.4 MPa	11800 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm	1.60 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	61.2 Åµm/m-Å°C	34.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	188 Å°C	370 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	177 Å°C	350 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Dielectric Strength	19.7 kV/mm	500 kV/in	Method A (Short-Time); ASTM D149

Electrical Properties

Metric

English

Comments

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