

LATI Latigray 80-03 CWG/850 PPS, Glass/Metallic Reinforced

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS)

Material Notes:

Radiopaque compound based on Polyphenylene Sulfide (PPS). Metallic filler. Glass fibers. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America
Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latigray-80-03-CWG850-PPS-GlassMetallic-Reinforced.php

Physical Properties	Metric	English	Comments
Density	5.38 g/cc	0.194 lb/in ³	
Thickness	520 microns	20.5 mil	80
	680 microns	26.8 mil	120
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	1.1 %	1.1 %	
Tensile Modulus	13.9 GPa	2020 ksi	
Charpy Impact Unnotched	1.50 J/cm ²	7.14 ft-lb/in ²	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	275 °C	527 °F	
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	
Vicat Softening Point	255 °C	491 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+9 ohm	1.00e+9 ohm	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	290 - 310 Å°C Metric	554 - 590 Å°F English	Comments
Mold Temperature	130 - 140 Å°C	266 - 284 Å°F	
Drying Temperature	130 - 140 Å°C @Time 10800 sec	266 - 284 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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