

LATI Latigray 88/10-01 CX/30 PEEK

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Radiopaque compound based on Polyetheretherketone (PEEK). Special mineral filler. 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-8810-01-CX30-PEEK.php

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in ³	
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
Elongation at Break	10 %	10 %	
Elongation at Yield	4.3 %	4.3 %	
Tensile Modulus	4.90 GPa	711 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	170 Â°C	338 Â°F	
Vicat Softening Point	>= 300 Â°C @Load 5.00 kg	>= 572 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	380 - 400 Â°C	716 - 752 Â°F	

Mold Temperature Processing Properties	180 - 190 Å°C Metric	356 - 374 Å°F English	Comments
Drying Temperature	150 - 170 Å°C @Time 10800 sec	302 - 338 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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