

LATI Latigray 47/1-01 CX/45 PP Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Radiopaque compound based on Polypropylene copolymer (PPc). 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-471-01-CX45-PP-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	
Linear Mold Shrinkage, Flow	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	
Linear Mold Shrinkage, Transverse	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.00 MPa	725 psi	
Elongation at Break	>= 100 %	>= 100 %	
Elongation at Yield	>= 10 %	>= 10 %	
Tensile Modulus	0.100 GPa	14.5 ksi	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	NB	NB	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	50.0 Â°C	122 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	40.0 Â°C	104 Â°F	
Vicat Softening Point	60.0 Â°C @Load 5.00 kg	140 Â°F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Â°C	392 - 464 Â°F	

Mold Temperature Processing Properties	40.0 - 60.0 Å°C Metric	104 - 140 Å°F English	Comments
Drying Temperature	80.0 - 90.0 Å°C @Time 10800 sec	176 - 194 Å°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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