

LATI Latigray 52/11-01 CX/45 PP Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Radiopaque compound based on Polypropylene homopolymer (PPH). 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-5211-01-CX45-PP-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	
Linear Mold Shrinkage, Flow	0.0145 - 0.0185 cm/cm	0.0145 - 0.0185 in/in	
Linear Mold Shrinkage, Transverse	0.0145 - 0.0185 cm/cm	0.0145 - 0.0185 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	
Elongation at Break	>= 100 %	>= 100 %	
Elongation at Yield	4.5 %	4.5 %	
Tensile Modulus	2.20 GPa	319 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
Charpy Impact, Notched	0.300 J/cm ²	1.43 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	145 Â°C	293 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	125 Â°C	257 Â°F	
Vicat Softening Point	130 Â°C @Load 5.00 kg	266 Â°F @Load 11.0 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Â°C	392 - 464 Â°F	
Mold Temperature	40.0 - 60.0 Â°C	104 - 140 Â°F	
Drying Temperature	80.0 - 90.0 Â°C @Time 10800 sec	176 - 194 Â°F @Time 3.00 hour	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
ISO Shrinkage - Pressure		60 MPa	

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