

LATI Latigray 53/22-01 CX/25 PP Homopolymer, Impact Modified

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Radiopaque compound based on Polypropylene homopolymer (PPh), impact modified. 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-5322-01-CX25-PP-Homopolymer-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	
Linear Mold Shrinkage, Flow	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	
Linear Mold Shrinkage, Transverse	0.0115 - 0.0145 cm/cm	0.0115 - 0.0145 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	6.0 %	6.0 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	8.5 %	8.5 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	9.0 %	9.0 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	0.650 GPa	94.3 ksi	

Tensile Modulus Mechanical Properties	Metric @Temperature 90.0 Â°C	English @Temperature 194 Â°F	Comments
	1.10 GPa @Temperature 60.0 Â°C	160 ksi @Temperature 140 Â°F	
	2.60 GPa @Temperature 23.0 Â°C	377 ksi @Temperature 73.4 Â°F	
Charpy Impact Unnotched	1.50 J/cmÂ² @Temperature -20.0 Â°C	7.14 ft-lb/inÂ² @Temperature -4.00 Â°F	
	6.50 J/cmÂ² @Temperature 23.0 Â°C	30.9 ft-lb/inÂ² @Temperature 73.4 Â°F	
Charpy Impact, Notched	0.100 J/cmÂ² @Temperature -20.0 Â°C	0.476 ft-lb/inÂ² @Temperature -4.00 Â°F	
	0.350 J/cmÂ² @Temperature 23.0 Â°C	1.67 ft-lb/inÂ² @Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	105 Â°C	221 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	
Vicat Softening Point	95.0 Â°C @Load 5.00 kg	203 Â°F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	
	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	
Oxygen Index	24 %	24 %	
Glow Wire Test	750 Â°C @Thickness 1.00 mm	1380 Â°F @Thickness 0.0394 in	GWFI/GWT

Thermal Properties	750 Å°C Metric	1380 Å°F English	Comments
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 240 Å°C	392 - 464 Å°F	
Mold Temperature	40.0 - 60.0 Å°C	104 - 140 Å°F	
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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