

Latigray 52/11-01 CX/45

Polypropylene Homopolymer

LATI S.p.A.

Message:

Radiopaque compound based on Polypropylene homopolymer (PPh).
Special mineral filler.

General Information			
Filler / Reinforcement	Mineral,45% Filler by Weight		
Features	Homopolymer		
	Radiopaque		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.5 to 1.9	%	
Flow : 2.00 mm	1.5 to 1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	20.0	MPa	
Break, 23°C	15.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	4.5	%	
Break, 23°C	> 100	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	145	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 240	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			

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