

Latigray 53/22-01 CX/25

Polypropylene Homopolymer

LATI S.p.A.

Message:

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

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Additive	Impact Modifier		
Features	Homopolymer		
	Impact Modified		
	Radiopaque		

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.2 to 1.5	%	
Flow : 2.00 mm	1.1 to 1.4	%	
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	2600	MPa	
60°C	1100	MPa	
90°C	650	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	25.0	MPa	
Yield, 60°C	20.0	MPa	
Yield, 90°C	10.0	MPa	
Break, 23°C	18.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	6.0	%	
Yield, 60°C	8.5	%	
Yield, 90°C	9.0	%	
Break, 23°C	> 100	%	
Break, 60°C	> 100	%	
Break, 90°C	> 100	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	1.0	kJ/m ²	

23°C	3.5	kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU	
-20°C	15	kJ/m ²	
23°C	65	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature ²	120	°C	
Vicat Softening Temperature	95.0	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
	750		
Glow Wire Flammability Index (1.00 mm)	750	°C	IEC 60695-2-12
Oxygen Index	24	%	ASTM D2863
Additional Information	Nominal Value		
Dimensional Stability	73.0		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 240	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

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