

Latigray 53/22-01 CX/70

Polypropylene Homopolymer

LATI S.p.A.

Message:

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

General Information			
Filler / Reinforcement	Filler,70% Filler by Weight		
Additive	Impact Modifier		
Features	Homopolymer		
	Impact Modified		
	Radiopaque		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.96	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.7 to 2.0	%	
Flow : 2.00 mm	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	15.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	0.90	%	
Break, 23°C	1.8	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	2.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ³ (23°C)	30	kJ/m ²	ISO 179/1eU
Notched Izod Impact ⁴ (23°C)	15	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Vicat Softening Temperature	120	°C	ISO 306/B50
Additional Information	Nominal Value	Unit	Test Method
Half Value Thickness			Internal Method
-- ⁵	840.0	µm	
-- ⁶	720.0	µm	
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 100	°C
Drying Time	3.0	hr
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	20.0 to 40.0	°C
Injection Rate	Moderate	

NOTE

- | | |
|----|------------------------------|
| 1. | at 60 Mpa of cavity pressure |
| 2. | 80x10x4 mm |
| 3. | 80x10x4 mm |
| 4. | 63.5x12.7x3.2 mm |
| 5. | 120 kV |
| 6. | 80 kV |

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