

Latigray 88/10-01 CX/30

Polyetheretherketone

LATI S.p.A.

Message:

Radiopaque compound based on Polyetheretherketone (PEEK). Special filler.

General Information			
Filler / Reinforcement	Filler,30% Filler by Weight		
Features	Radiopaque		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.90 to 1.3	%	
Flow : 2.00 mm	0.80 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4900	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	75.0	MPa	
Break, 23°C	70.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	4.3	%	
Break, 23°C	10	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength ³ (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact ⁴ (23°C)	70	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	170	°C	ISO 75-2/A
Vicat Softening Temperature	> 300	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	150 to 170	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	380 to 400	°C	
Mold Temperature	180 to 190	°C	

Injection Rate	Moderate
NOTE	
1.	at 60 Mpa of cavity pressure
2.	80x10x4 mm
3.	80x10x4 mm
4.	63.5x12.7x3.2 mm

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