

Laticonther 88/10 GR/50

Polyetheretherketone

LATI S.p.A.

Message:

High thermal conductivity product based on Polyetheretherketone (PEEK).
Graphite.

General Information			
Filler / Reinforcement	Graphite Powder,50% Filler by Weight		
Features	Thermally Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.60 to 1.0	%	
Flow : 2.00 mm	0.40 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	19500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.50	%	ISO 527-2/5
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)	9.0	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 300	°C	ISO 75-2/B
1.8 MPa, Unannealed	> 300	°C	ISO 75-2/A
Vicat Softening Temperature	> 300	°C	ISO 306/B50
Thermal Conductivity	10	W/m/K	Internal Method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	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.	60 MPa		

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