Laticonther 57 CPG/550

Polyphthalamide

LATI S.p.A.

Message:

High thermal conductivity product based on Semi-aromatic polyammide (PPA).
Special filler. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Thermally Conductive		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.99	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.50 to 0.65	%	
Flow : 2.00 mm	0.30 to 0.45	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	11000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	70.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.60	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Thermal Conductivity	1.2	W/m/K	Internal Method
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	310 to 330	°C	
Mold Temperature	140 to 160	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		

Recommended distributors for this material

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