Laticonther 82 CP1/800

Polyamide 12

LATI S.p.A.

Message:

High thermal conductivity product based on Polyamide 12 (PA 12).

General Information			
Features	Thermally Conductive		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	2.14	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.25 to 0.55	%	
Flow : 2.00 mm	0.25 to 0.55	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	13000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	45.0	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)	1.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C)	25	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	150	°C	ISO 75-2/A
Vicat Softening Temperature	180	°C	ISO 306/B50
Thermal Conductivity	9.5	W/m/K	ASTM E1952-01
Injection	**Nominal Value**	**Unit**	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		

Recommended distributors for this material

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