Latamid 66 E21 G/30

Polyamide 66

LATI S.p.A.

Message:

Compound based on Polyamide 66 (PA 66).
Toughened. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.30	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.90 to 1.2	%	
Flow : 2.00 mm	0.45 to 0.75	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	8000	MPa	
60°C	5700	MPa	
90°C	4100	MPa	
120°C	3100	MPa	
150°C	2800	MPa	
Tensile Stress			ISO 527-2/5
Yield, 60°C	85.0	MPa	
Yield, 90°C	70.0	MPa	
Yield, 120°C	55.0	MPa	
Yield, 150°C	45.0	MPa	
Break, 23°C	120	MPa	
Break, 60°C	85.0	MPa	
Break, 90°C	65.0	MPa	
Break, 120°C	55.0	MPa	
Break, 150°C	45.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 60°C	4.0	%	
Yield, 90°C	6.0	%	
Yield, 120°C	6.0	%	
Yield, 150°C	6.0	%	
Break, 23°C	3.5	%	
Break, 60°C	5.0	%	

Break, 90°C	6.0	%	
Break, 120°C	7.0	%	
Break, 150°C	7.0	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	10	kJ/m^2	
23°C	15	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	75	kJ/m^2	
23°C	65	kJ/m^2	
Notched Izod Impact			ASTM D256A
-20°C, 3.20 mm	100	J/m	
23°C, 3.20 mm	160	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	235	°C	ISO 75-2/A
Continuous Use Temperature [2]	100	°C	
Vicat Softening Temperature	245	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.0E-5	cm/cm/°C	ASTM D696
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		

Recommended distributors for this material

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