

Latamid 6 CUVHPX10 G/35

Polyamide 6

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6).

High viscosity. UV stabilised. Heat stabilised. Toughened. Glass fibres.

Heat stabilised. UV stabilised. Good elongation properties.

General Information	
Filler / Reinforcement	Glass Fiber,35% Filler by Weight
Additive	Heat Stabilizer
	Impact Modifier
	UV Stabilizer
Features	Heat Stabilized
	High Viscosity
	Impact Modified

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 0.95	%	
Flow : 2.00 mm	0.35 to 0.60	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9300	MPa	
60°C	6100	MPa	
90°C	4600	MPa	
120°C	3600	MPa	
150°C	3200	MPa	
Tensile Stress			ISO 527-2/5
Yield, 23°C	155	MPa	
Yield, 60°C	105	MPa	
Yield, 90°C	80.0	MPa	
Yield, 120°C	65.0	MPa	
Yield, 150°C	55.0	MPa	
Break, 23°C	155	MPa	
Break, 60°C	105	MPa	
Break, 90°C	80.0	MPa	
Break, 120°C	65.0	MPa	
Break, 150°C	55.0	MPa	

Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Yield, 60°C	5.0	%	
Yield, 90°C	6.0	%	
Yield, 120°C	6.0	%	
Yield, 150°C	6.0	%	
Break, 23°C	3.0	%	
Break, 60°C	6.0	%	
Break, 90°C	6.0	%	
Break, 120°C	6.0	%	
Break, 150°C	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.5	kJ/m ²	
23°C	9.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	65	kJ/m ²	
-20°C	65	kJ/m ²	
23°C	60	kJ/m ²	
Notched Izod Impact			ASTM D256A
-30°C, 3.20 mm	90	J/m	
-20°C, 3.20 mm	95	J/m	
23°C, 3.20 mm	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Continuous Use Temperature ²	100	°C	
Vicat Softening Temperature	215	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	2.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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