

Latistat 62-06 K/10

Polyamide 6

LATI S.p.A.

Message:

Dissipative product based on Polyamide 6 (PA 6).
Carbon fibre.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.1 to 1.4	%	
Flow : 2.00 mm	0.40 to 0.55	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8100	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	115	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.5	%	
Break, 23°C	7.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	120	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Vicat Softening Temperature	205	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+3	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			

1. at 60 Mpa of cavity pressure

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