

Latiohm 57D-05 PD01 G/15

Polyamide

LATI S.p.A.

Message:

Partially conductive/dissipative compound based on Semi-aromatic polyammide.
Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Electrically Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.85 to 1.2	%	
Flow : 2.00 mm	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	13500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	190	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	50	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	265	°C	ISO 75-2/B
1.8 MPa, Unannealed	260	°C	ISO 75-2/A
Vicat Softening Temperature	230	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0E+4	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	310 to 330	°C	
Mold Temperature	130 to 160	°C	
Injection Rate	Moderate		
NOTE			

1. at 60 Mpa of cavity pressure

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