

Latiohm 80-04 PD01 G/30

Polyphenylene Sulfide

LATI S.p.A.

Message:

Partially conductive/dissipative compound based on Polyphenylene Sulphide (PPS).
Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Electrically Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.65 to 0.90	%	
Flow : 2.00 mm	0.25 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	22500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	55	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	280	°C	ISO 75-2/B
1.8 MPa, Unannealed	270	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	130 to 140	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 to 310	°C	
Mold Temperature	130 to 140	°C	
Injection Rate	Moderate-Fast		
NOTE			

1. at 60 Mpa of cavity pressure

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