

Latiohm 36/07 PD01 G/20

Acrylonitrile Butadiene Styrene

LATI S.p.A.

Message:

Partially conductive/dissipative compound based on Acrylonitrile-Butadiene-Styrene copolymer (ABS).
Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Copolymer		
	Electrically Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.50 to 0.70	%	
Flow : 2.00 mm	0.30 to 0.45	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	12000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	15	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	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	95.0	°C	ISO 75-2/A
Vicat Softening Temperature	100	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	5.0E+5	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	50.0 to 80.0	°C	
Injection Rate	Fast		
NOTE			

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