Latiohm 80-05 CNT GCE/500

Polyphenylene Sulfide

LATI S.p.A.

Message:

Partially conductive/dissipative compound based on Polyphenylene Sulphide (PPS).
Carbon nanotubes. Glass fibres / Mineral filler.

General Information			
Filler / Reinforcement	Carbon Nano Glass\Mineral		
Features	Semi Conductive		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.81	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.70 to 1.0	%	
Flow : 2.00 mm	0.30 to 0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	15500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	80.0	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)	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C)	45	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	3.0E+3	ohms	ASTM D257
Volume Resistivity	1.0E+4	ohms·cm	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

Recommended distributors for this material

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