

Latishield 85-08A G/20

Polyethersulfone

LATI S.p.A.

Message:

EMI shielding product based on Polyethersulphone (PES).
UL94 V-0 classified, halogens free. Steel fibres. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight Steel		
Additive	Halogen		
Features	Electromagnetic Shielding (EMI) Halogen Free		

Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.75 to 0.90	%	
Flow : 2.00 mm	0.35 to 0.50	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	70.0	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)	5.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	60	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	205	°C	ISO 75-2/A
Vicat Softening Temperature	215	°C	ISO 306/B50
Ball Pressure Test	> 165	°C	IEC 60335-1
Electromagnetic Reflection	90	%	

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		

1.50 mm	V-0	
3.00 mm	V-0	
Injection	Nominal Value	Unit
Drying Temperature	110 to 130	°C
Drying Time	3.0	hr
Processing (Melt) Temp	300 to 340	°C
Mold Temperature	100 to 130	°C
Injection Rate	Moderate-Fast	
NOTE		
1.	at 60 Mpa of cavity pressure	

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