

Latishield 66-10A H2 CETG/400

Polyamide 66

LATI S.p.A.

Message:

EMI shielding product based on Polyamide 66 (PA 66).

Steel fibres. Heat stabilised. Mineral filler / Glass fibres.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight Steel		
Additive	Heat Stabilizer		
Features	Electromagnetic Shielding (EMI) Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.57	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.70 to 1.0	%	
Flow : 2.00 mm	0.50 to 0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	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)	20	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	20	ohms	ASTM D257
Volume Resistivity	2.0E+2	ohms · cm	ASTM D257
Electromagnetic Reflection	90	%	
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	275 to 300	°C
Mold Temperature	80.0 to 100	°C
Injection Rate	Slow-Moderate	

NOTE

1. at 60 Mpa of cavity pressure

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

