

Laticonther 52/11 GR/70

Polypropylene Homopolymer

LATI S.p.A.

Message:

High thermal conductivity product based on Polypropylene homopolymer (PPh).
Graphite.

General Information			
Filler / Reinforcement	Graphite Powder,70% Filler by Weight		
Features	Homopolymer		
	Thermally Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.45 to 0.85	%	
Flow : 2.00 mm	0.45 to 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	25.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	0.60	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	25	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	1.0E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	20	W/m/K	ASTM E1952-01
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	90	ohms	ASTM D257
Volume Resistivity	4.0E+2	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 280	°C	
Mold Temperature	50.0 to 80.0	°C	

Injection Rate	Moderate
NOTE	

1. at 60 MPa of cavity pressure

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

