

Luranyl® HT 212 G2

Polyphenylene Ether + Nylon 66

ROMIRA GmbH

Message:

PPE+PA Blend with 10% glass fibre; high impact; very high temperature resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Impact resistance, high		
	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	67.0	cm ³ /10min	ISO 1133
Molding Shrinkage (3.20 mm)	0.90 - 1.1	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4050	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	96.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	11	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	ISO 179/1eA
23°C	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	50	kJ/m ²	ISO 179/1eU
23°C	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	180	°C	ISO 75-2/A
Vicat Softening Temperature	220	°C	ISO 306/B50
CLTE - Flow (23 to 80°C)	9.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 100	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.050	%	

Processing (Melt) Temp	285 - 310	°C
Mold Temperature	90.0 - 120	°C
Injection Rate	Moderate	
Screw Speed	12 - 18	rpm

Injection instructions

Maximum Residence Time: 4 to 10 minInjection Pressure: moderate to high

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



WECHAT