

Luranyl® HT 240 G4

Polyphenylene Ether + Nylon 66

ROMIRA GmbH

Message:

PPE+PA Blend with 20% glass fibre; very high heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	50.0	cm ³ /10min	ISO 1133
Water Absorption (23°C, 24 hr)	< 0.37	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6300	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	120	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	7.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
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)	210	°C	ISO 75-2/A
Vicat Softening Temperature	240	°C	ISO 306/B50
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

