

Luranyl® HT 190

Polyphenylene Ether + Nylon 66

ROMIRA GmbH

Message:

PPE+PA Blend; very high heat resistance

General Information			
Features	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	20.0	cm ³ /10min	ISO 1133
Molding Shrinkage (23°C, 3.20 mm)	0.90 - 1.1	%	ISO 294-4
Water Absorption (23°C, 24 hr)	< 0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2050	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	90	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	ISO 179/1eA
23°C	45	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	120	°C	ISO 75-2/A
Vicat Softening Temperature	180	°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	270 - 300	°C	
Mold Temperature	80.0 - 120	°C	
Injection Rate	Moderate		

Screw Speed	12 - 18	rpm
Injection instructions		

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

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