

PREPERM® 260 LDS

Polyphenylene Ether

Premix Oy

Message:

PREPERM® 260 LDS is a special compound based on polyphenylene ether (PPE). It is designed for laser direct structuring applications, such as mobile phone and other antennas, and circuitry.

General Information			
Uses	Electrical Parts		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)	13	g/10 min	ISO 1133
Molding Shrinkage	0.80	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	62.0	MPa	
4.00 mm	60.0	MPa	
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break, 4.00 mm	12	%	
Flexural Modulus (4.00 mm)	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	12	kJ/m ²	ISO 180
Unnotched Izod Impact Strength ² (23°C)	45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	177	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	158	°C	ISO 75-2/Af
Electrical	Nominal Value		Test Method
Dielectric Constant (1.00 GHz)	2.60		Internal Method
Dissipation Factor (1.00 GHz)	5.0E-3		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	290 to 310	°C	

Mold Temperature	80.0 to 140	°C
Injection Pressure	60.0 to 80.0	MPa
Injection Rate	Moderate	
NOTE		
1.	4 mm thickness	
2.	4 mm thickness	

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