SLOVAMID® 66 OB

Polyamide 66

Plastcom

Message:

PA 66 for injection moulding, optical brightened, for mouldings with high surface brightness, with increased toughness and modulus of elasticity in tension in comparison with the basic type. The microcrystal structure guarantees the isotropy of mechanical properties. Use in the engineering and electrical industry. Delivered in natural mode.

General Information			
Features	Good Toughness High Gloss		
Uses	Electrical/Electronic Applications Engineering Parts		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.9	%	
Flow	1.8	%	
Water Content	0.15	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3500	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.5	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	1.5	kJ/m²	
23°C	2.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	100	kJ/m²	
23°C	110	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	68.0	°C	ISO 75-2/B
Vicat Softening Temperature	250	°C	ISO 306/B
Melting Temperature (DSC)	260	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Electric Strength	30	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	80.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

Recommended distributors for this material

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