SLOVAMID® 66 C 15 MI

Polyamide 66

Plastcom

Message:

PA 66 containing 15% chemically modified mineral filler. Use the handles of hand power tools. Hobby tools, gears, housings electrical appliances, flat, car hubcaps. High tensile strength and modulus of elasticity. Excellent dimensional stability. Supplied in natural finish and a range of RAL color scale.

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Additive	Impact Modifier		
Features	Chemically Coupled Good Dimensional Stability High Strength Impact Modified		
Uses	Appliance Components Automotive Applications Gears Handles Housings Power/Other Tools		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 66		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.22	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.4	%	
Flow	1.3	%	
Water Content	0.20	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3800	MPa	ISO 527-2
Tensile Stress (Yield)	52.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	3650	MPa	ISO 178
Flexural Stress	245	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	1.0	kJ/m²	
23°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	25	kJ/m²	
23°C	75	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Vicat Softening Temperature	260	°C	ISO 306/B
Melting Temperature (DSC)	260	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength	40	kV/mm	IEC 60243-1
Comparative Tracking Index	500	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	280 to 310	°C	
Mold Temperature	80.0 to 120	°C	
Injection Pressure	70.0 to 120	MPa	

Recommended distributors for this material

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