

SLOVAMID® 66 SLS

Polyamide 66

Plastcom

Message:

Basic type PA66 for injection moulding, modified with MoS2 for general use, with excellent manufacturing properties. Use: automotive, engineering, electrical and consumer-goods industry - electrical tools, fasteners, clamps, hobby tools, toys. Very good surface finish of injection moulded parts. Delivered in the natural mode and in black.

General Information			
Additive	Heat Stabilizer		
	Molybdenum Disulfide Lubricant		
Features	General Purpose		
	Good Surface Finish		
	Heat Stabilized		
	Lubricated		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Fasteners		
	Power/Other Tools		
	Toys		
Appearance	Black		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (275°C/0.325 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.1	%	
Flow	0.80	%	
Water Content	0.10	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2
Tensile Stress (Yield)	95.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	3300	MPa	ISO 178
Flexural Stress	165	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
23°C	4.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	85	kJ/m ²	
23°C	85	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Vicat Softening Temperature	250	°C	ISO 306/B
Melting Temperature (DSC)	262	°C	ISO 3146
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	60.0 to 90.0	°C	
Injection Pressure	50.0 to 90.0	MPa	

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