

SLOVAMID® 6 NG GF 20 HLS

Polyamide 6

Plastcom

Message:

PA 6 for injection moulding, chemically reinforced with 20% glass fibre, heat stabilized and weather stabilized. Stabilized against hydrolysis. Good surface finish.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
	Hydrolysis Resistant		
	UV Stabilizer		
Features	Chemically Coupled		
	Good Surface Finish		
	Heat Stabilized		
	Hydrolysis Resistant		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 6		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.69	%	
Flow	0.31	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7550	MPa	ISO 527-2
Tensile Stress (Yield)	155	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	6150	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	45	kJ/m ²	

23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	215	°C	ISO 75-2/B
Vicat Softening Temperature	200	°C	ISO 306/B
Melting Temperature (DSC)	241	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	260 to 270	°C	
Mold Temperature	60.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

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