

SLOVAMID® 6 GF 30 TS

Polyamide 6

Plastcom

Message:

PA 6 for injection moulding, chemically reinforced with 30% glass fibre, heat stabilized, mouldings resistant against longtime heat impact up to 170°C. Used in environment, where long-time temperatures up to 200°C occur. Decrease in tensile strength by 50% after 5000 hours at 170°C. Application: grips of electrotools, hobby tools, gears, covers of electric appliances. Heat stabilization predetermines these products to an environment with longtime heat stress like eg.: intake piping, cylinder heads, induction coils, carrying parts in the motor fixing in the motor area. Delivered in black colour.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Chemically Coupled		
	Heat Stabilized		
Uses	Appliances		
	Electrical/Electronic Applications		
	Flexible Grips		
	Gears		
	Power/Other Tools		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PA 6		
Physical	Nominal Value	Unit	Test Method
Density	1.33	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	1.5	%	
Flow	0.58	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress (Yield)	150	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus	7000	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	10	kJ/m ²	

23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	45	kJ/m ²	
23°C	55	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	200	°C	ISO 75-2/B
Vicat Softening Temperature	210	°C	ISO 306/B
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	8.0E+13	ohms	IEC 60093
Volume Resistivity	5.0E+13	ohms·cm	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Comparative Tracking Index	575	V	IEC 60112
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	250 to 270	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Pressure	70.0 to 120	MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT