

SLOVAMID® 6 BT HV TLS

Polyamide 6

Plastcom

Message:

PA 6 for injection moulding and extrusion with the content of UV and TS stabilizer predetermins products for external use. Delivered in natural mode and in the full RAL colour scale.

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Heat Stabilized		
Appearance	Colors Available		
	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Resin ID (ISO 1043)	PA 6		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.4	%	
Flow	1.5	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress (Yield)	84.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	118	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	51.0	°C	ISO 75-2/B
Vicat Softening Temperature	192	°C	ISO 306/B
Melting Temperature (DSC)	222	°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	18	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		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	250 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	70.0 to 120	MPa	

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