

BESTNYL SI15VI01BH16

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 natural lubrified with 15% glass fibre reinforcement and 25% of mineral charge, heat stabilized is ideal for final applications in the need of good mechanical characteristics and high dimensional stability, generally used in interior pieces in automotive industry.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
	Mineral,25% Filler by Weight		
Additive	Heat Stabilizer		
	Lubricant		
Features	Good Dimensional Stability		
	Heat Stabilized		
	Lubricated		
Uses	Automotive Interior Parts		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.65	%	ISO 62
Ash Content	40	%	Internal Method
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2
Tensile Stress	122	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	48	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A

Vicat Softening Temperature	> 220	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	225 to 240	°C	
Mold Temperature	60.0 to 80.0	°C	

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