

BESTNYL SI30VI01A

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 natural lubrified with 30% of glass fibre reinforcement generally used for final injected pieces which requires good mechanical properties and good injection behaviour. Is a polyamide for automotive and general industry.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Lubricant		
Features	General Purpose		
	Lubricated		
Uses	Automotive Applications		
	General Purpose		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.95	%	ISO 62
Ash Content	30	%	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	9200	MPa	ISO 527-2
Tensile Stress	160	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	65	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Vicat Softening Temperature	> 200	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	40	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	230 to 240	°C	
Mold Temperature	70.0 to 80.0	°C	

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