

BESTNYL SE15VI02AS16

Polyamide 66

Triesa Plastics

Message:

Polyamide 6,6 black lubrified with 15% glass fibre reinforcement and 25% of mineral charge, 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	Lubricant		
Features	Good Dimensional Stability		
	Lubricated		
Uses	Automotive Interior Parts		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Molding Shrinkage	0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.70	%	ISO 62
Ash Content	40	%	Internal Method
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	81		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2
Tensile Stress	130	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093

Electric Strength	35	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	100	°C	
Drying Time	3.0 to 5.0	hr	
Processing (Melt) Temp	275 to 285	°C	
Mold Temperature	80.0 to 90.0	°C	

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