

BESTNYL SE50VI02AH

Polyamide 66

Triesa Plastics

Message:

Polyamide 6.6 black lubrifid with 50% glass fibre reinforcement and heat stabilized.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
	Lubricant		
Features	Heat Stabilized		
	Lubricated		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	ISO 1183
Molding Shrinkage	0.30	%	
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Ash Content	50	%	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	15500	MPa	ISO 527-2
Tensile Stress	190	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	80	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	255	°C	ISO 75-2/B
Vicat Softening Temperature	> 250	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	35	kV/mm	IEC 60243-1
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	275 to 290	°C	
Mold Temperature	90.0 to 100	°C	

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