

BESTNYL SE35VI01AX

Polyamide 66

Triesa Plastics

Message:

Polyamide 6.6 natural lubrifed with 35% glass fibre reinforcement and V-0 quality, is a material with good mechanical and flame retardant properties, high resistance and rigidity combined with good resistance behaviour to electric tracking.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Lubricant		
Features	Flame Retardant		
	High Rigidity		
	Lubricated		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage	0.40	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Ash Content	35	%	Internal Method
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	82		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ISO 527-2
Tensile Stress	155	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/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Electric Strength	25	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302

Flame Rating	V-0	UL 94
Glow Wire Ignition Temperature	960	°C IEC 60695-2-13
Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	270 to 280	°C
Mold Temperature	70.0 to 80.0	°C

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