

BESTNYL SE30VI01AT

Polyamide 66

Triesa Plastics

Message:

Polyamide 6.6 natural lubrified with 30% glass fibre and friction treated (PTFE), is perfect for final pieces that requires a minor wear out in final applications with good mechanical properties, also inertia to different chemical products and good resistance to humidity.

General Information			
Filler / Reinforcement	Glass\PTFE,30% Filler by Weight		
Additive	PTFE Lubricant		
Features	Good Chemical Resistance		
	Good Wear Resistance		
	Lubricated		
	Moisture Resistant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage	0.40	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Ash Content	30	%	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	9500	MPa	ISO 527-2
Tensile Stress	175	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Vicat Softening Temperature	> 260	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	32	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	270 to 280	°C	
Mold Temperature	80.0 to 90.0	°C	

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