

BESTNYL SI20VI01AHQ03

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 natural 20% glass fibre with heat stabilized and 5% nano charges which create a barrier against external atmospherical agents and also improves dimensional and elighten the final application furthermore produces better final surface.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Dimensional Stability		
	Good Surface Finish		
	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ISO 1133
Ash Content	25	%	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	5200	MPa	ISO 527-2
Tensile Stress	113	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	30	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	°C	ISO 75-2/A
Vicat Softening Temperature	> 235	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
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	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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Recommended distributors for this material

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