BESTNYL SI20CI01AHQ03

Polyamide 6

Triesa Plastics

Message:

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

General Information				
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight Nano filler, 5.0% filler by weight			
Additive	heat stabilizer			
Features	Good dimensional stability Thermal Stability Excellent appearance			
Appearance	Natural color			
Forms	Particle			
Processing Method	Injection molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.29	--	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	7.0	--	g/10 min	ISO 1133
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	80	--		ISO 868
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	5200	3500	MPa	ISO 527-2
Tensile Stress (Yield)	113	60.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.5	6.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	30	45	kJ/m²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, not annealed	210	--	°C	ISO 75-2/B
1.8 MPa, not annealed	180	--	°C	ISO 75-2/A
Vicat Softening Temperature	235	--	°C	ISO 306
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**

Surface Resistivity	1.0E+15	1.0E+12	ohms	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94

Additional Information
干燥 Humidity Pellets, ISO 1110: 0.2%Flammability Speed, FMV 302:<100 mm/minAshes, Triesa Test: 25%

Injection	Dry	Unit
Drying Temperature	80.0	°C
Drying Time	2.0 - 4.0	hr
Processing (Melt) Temp	230 - 240	°C
Mold Temperature	70.0 - 80.0	°C

Recommended distributors for this material

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