BESTNYL SI00VI02BH14

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 black with 20% mineral charge and heat stabilized is characterized for its great dimensional stability, good superficial finish, good in machine and release mould behaviour. Currently used in injection pieces that are not required to endure mechanical efforts, but with a great deal of importance in final appearance and dimensionality.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer Mold Release		
Features	Good Dimensional Stability Good Mold Release Good Surface Finish Heat Stabilized Pleasing Surface Appearance		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.27	g/cm³	ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Ash Content	20	%	Internal Method
Humidity - Pellets	0.20	%	ISO 1110
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	79		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4500	MPa	ISO 527-2
Tensile Stress	70.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	3.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	35	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B
1.8 MPa, Unannealed	140	°C	ISO 75-2/A
Vicat Softening Temperature	> 220	°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	225 to 240	°C	
Mold Temperature	60.0 to 80.0	°C	

Recommended distributors for this material

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