BESTNYL SC30VI02BMU

Polyamide 66/6 Copolymer

Triesa Plastics

Message:

Polyamide 6 Polyamide 6,6(PA 6/6.6)black lubrified, UV stabilized and Impact improved with 30% glass fibre reinforcement, has good mechanical properties and high impact resistance combined with UV stabilization, in intended to be used in final pieces stable to the light (UV) and required to have impact and mechanical efforts endurance.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Lubricant UV Stabilizer		
Features	Good Impact Resistance Good UV Resistance Lubricated		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.34	g/cm³	ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	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	8500	MPa	ISO 527-2
Tensile Stress	128	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	9.5	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	70	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	235	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	°C	ISO 75-2/A
Vicat Softening Temperature	240	°C	ISO 306
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093

Electric Strength	34	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	100	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	260 to 270	°C	
Mold Temperature	80.0 to 90.0	°C	

Recommended distributors for this material

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