

BESTNYL SE15VI02AU

Polyamide 66

Triesa Plastics

Message:

Polyamide 6,6 black with 15% glass fibre reinforcement and protected against ultra violet rays (UV). This is a polyamide with good mechanical properties and stabilization to ultraviolet rays, generally makes exterior pieces or in contact with external atmospheric agents.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	UV Stabilizer		
Features	Good UV Resistance		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm³	ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Ash Content	15	%	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	6000	MPa	ISO 527-2
Tensile Stress	122	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	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	100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	270 to 275	°C
Mold Temperature	70.0 to 80.0	°C

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