

# BESTNYL SE10VI02AU

Polyamide 66

Triesa Plastics

## Message:

Polyamide 6,6 black with 10% glass fibre reinforcement and protected against ultra violet rays (UV). This polyamide shares 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,10% 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	1.20	g/cm <sup>3</sup>	ISO 1183
Water Absorption (23°C, 24 hr)	3.0	%	ISO 62
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	4550	MPa	ISO 527-2
Tensile Stress	100	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	28	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
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 75.0	°C	

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