

# BESTNYL SE25VI02AHC

Polyamide 66

Triesa Plastics

Message:

Polyamide 6.6 black with 25% glass fibre reinforcement and heat stabilized with good finish surface generally used for pieces wich aesthetic application and good mechanical properties in conjunction with good injection behaviour, for general and automotive industry.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Processability		
	Good Surface Finish		
	Heat Stabilized		
Uses	Automotive Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.90	%	ISO 62
Ash Content	25	%	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	8000	MPa	ISO 527-2
Tensile Stress	140	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	50	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	32	kV/mm	IEC 60243-1
Comparative Tracking Index	450	V	IEC 60112
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	275 to 285	°C	
Mold Temperature	80.0 to 90.0	°C	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

