

BESTNYL SC00VI02AH15

Polyamide 66/6 Copolymer

Triesa Plastics

Message:

Polyamide 6 polyamide 6.6 (PA 6/6.6) black and heat stabilized with 30% mineral charge, 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,30% Filler by Weight		
Additive	Heat Stabilizer		
	Mold Release		
Features	Good Dimensional Stability		
	Good Mold Release		
	Good Surface Finish		
	Heat Stabilized		
	Machinable		
	Pleasing Surface Appearance		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage	0.80	%	ISO 294-4
Water Absorption (23°C, 24 hr)	2.0	%	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	5800	MPa	ISO 527-2
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	IEC 60093
Electric Strength	28	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	3.0 to 4.0	hr	
Processing (Melt) Temp	270 to 280	°C	
Mold Temperature	80.0 to 90.0	°C	

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