

BESTNYL SI00VI02BM

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 black modified to impact, is highly resistant to impact, perfect for final pieces subdued to high impacts.

General Information			
Additive	Impact Modifier		
Features	High Impact Resistance		
	Impact Modified		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage	1.0	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.2	%	ISO 62
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	60	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	185	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	> 220	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	18	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	90.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	225 to 240	°C
Mold Temperature	40.0 to 60.0	°C

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Recommended distributors for this material

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