

BESTNYL SI00VI01BN-1

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 Standard, lubrified and fast cycle to achieve a faster injection and pieces moulding. Regularly used in small injection pieces and various cavities that requires a fast injection cycle.

General Information			
Additive	Lubricant		
	Nucleating Agent		
Features	Fast Molding Cycle		
	Lubricated		
	Nucleated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	22	g/10 min	ISO 1133
Molding Shrinkage	0.90	%	ISO 294-4
Water Absorption (23°C, 24 hr)	2.0	%	ISO 62
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	79		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3050	MPa	ISO 527-2
Tensile Stress	72.0	MPa	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)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	190	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	> 200	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
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	50.0 to 60.0	°C

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