

BESTNYL SI00VI12BWX

Polyamide 6

Triesa Plastics

Message:

Polyamide 6 grey lubricied with V-0 free halogen quality, normally used in electrical appliances, for its easy injection and mould release as well as its excellent flame resistance.

General Information			
Additive	Lubricant		
	Mold Release		
Features	Flame Retardant		
	Good Mold Release		
	Good Processability		
	Halogen Free		
	Lubricated		
Uses	Appliances		
	Electrical/Electronic Applications		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage	1.0	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.1	%	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	3700	MPa	ISO 527-2
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	85	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	200	°C	ISO 75-2/B

1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	36	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	225 to 235	°C	
Mold Temperature	50.0 to 60.0	°C	

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