

BESTNYL SE00VI01AT

Polyamide 66

Triesa Plastics

Message:

Polyamide 6.6 natural lubrified and friction improved (PTFE), is perfect for final pieces that requires a minor wear out in final applications, also inertia to different chemical products and good resistance to humidity.

General Information			
Additive	PTFE Lubricant		
Features	Good Chemical Resistance		
	Good Wear Resistance		
	Low Friction		
	Lubricated		
	Moisture Resistant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.90	%	ISO 62
Ash Content	20	%	Internal Method
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2850	MPa	ISO 527-2
Tensile Stress	81.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	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	230	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	> 235	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+18	ohms	IEC 60093
Electric Strength	30	kV/mm	IEC 60243-1

Comparative Tracking Index	600	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	90.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	260 to 270	°C	
Mold Temperature	70.0 to 75.0	°C	

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