

BESTNYL SC50VIR34AHM

Polyamide 66/6 Copolymer
Triesa Plastics

Message:
Polyamide 6.6 /6 lubrified with 50% glass fibre reinforcement, heat stabilized and Impact modified.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	Impact modifier heat stabilizer Lubricant		
Features	Impact resistance, good Lubrication		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2
Tensile Stress (Yield)	185	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	230	°C	ISO 75-2/B
1.8 MPa, not annealed	215	°C	ISO 75-2/A
Vicat Softening Temperature	235	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Dielectric Strength	28	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Additional Information

Humidity Pellets, ISO 1110: 0.2%Flammability Speed, FMV 302:<100 mm/minAshes, Triesa Test: 30%

Injection	Nominal Value	Unit
Drying Temperature	110	°C
Drying Time	2.0 - 3.0	hr
Processing (Melt) Temp	270 - 280	°C
Mold Temperature	80.0 - 90.0	°C

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