

BESTDUR TXG6/02

Polybutylene Terephthalate

Triesa Plastics

Message:

PBT black lubrified with 30% glass fibre reinforcement and V-0 quality

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Lubricant		
Features	Flame Retardant		
	Lubricated		
Uses	Electrical/Electronic Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Ash Content	30	%	Internal Method
Humidity - Pellets	0.20	%	ISO 1110
Track Resistance	250	kV/mm	IEC 60112
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8800	MPa	ISO 527-2
Tensile Stress	115	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	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)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	190	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	

Drying Temperature	100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	235 to 250	°C
Mold Temperature	50.0 to 90.0	°C

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