

ESTOPLAST MG 4030NN01

Polybutylene Terephthalate

Ester Industries Ltd.

Message:

Polyethylene Terephthalate - 30% Glass filled, Flame retardant, Natural
Appliances: Heater Parts

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	demoulding		
	Flame retardancy		
Features	Halogenated		
	Good demoulding performance		
	Flame retardancy		
Uses	Home appliance components		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	140	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Strength	220	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	70	J/m	ASTM D256
Unnotched Izod Impact	550	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	245	°C	ASTM D648
1.8 MPa, not annealed	230	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.5 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	105 - 115	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	260 - 270	°C	

Middle Temperature	270 - 280	°C
Nozzle Temperature	280 - 285	°C
Processing (Melt) Temp	270 - 280	°C
Mold Temperature	100 - 120	°C

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Recommended distributors for this material

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