

ESTOPLAST MG 7035BB11

Polybutylene Terephthalate

Ester Industries Ltd.

Message:

Polyethylene Terephthalate - 35% Glass Filled, Black
Automotive: Ignition coil bobbin & Housing

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Additive	Nucleating agent demoulding		
Features	Nucleated Good demoulding performance		
Uses	Application in Automobile Field Shell spool		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	0.45	%	ISO 62
Equilibrium, 23°C, 50% RH	0.18	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	150	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Strength	240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Unnotched Izod Impact	700	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	240	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating (1.5 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	105 - 115	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	270 - 280	°C
Middle Temperature	270 - 290	°C
Nozzle Temperature	270 - 285	°C
Processing (Melt) Temp	270 - 290	°C
Mold Temperature	110 - 130	°C

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Recommended distributors for this material

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