

ESTOPLAST EP 4140BB11

Polybutylene Terephthalate

Ester Industries Ltd.

Message:

Polybutylene Terephthalate - 40% Glass /Mineral filled, Flame retardant, Black
Electrical & Electronic: CFL /LED /Tubelight accessories

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Additive	demoulding		
	UV stabilizer		
	Flame retardancy		
Features	UV Stabilized		
	Heat conduction		
	Halogenated		
	Good demoulding performance		
	Flame retardancy		
Uses	LEDs		
	Lighting Applications		
	Electrical/Electronic Applications		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.85	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	80.0	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	210	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	110 - 120	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	235 - 240	°C
Middle Temperature	250 - 260	°C
Nozzle Temperature	250 - 260	°C
Processing (Melt) Temp	240 - 250	°C
Mold Temperature	90 - 110	°C

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