

# Electroblend® PBT-1801

Polybutylene Terephthalate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

Electroblend® PBT-1801 is a glass fiber reinforced conductive polybutylene terephthalate compound characterized by high mechanical with lower shrink properties.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Electrically Conductive		
	Low Shrinkage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Industrial Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	70.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	6650	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	240 to 245	°C	
Middle Temperature	245 to 250	°C	
Front Temperature	250 to 255	°C	
Nozzle Temperature	255 to 260	°C	
Processing (Melt) Temp	240 to 260	°C	

Mold Temperature

80.0 to 100

°C

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#### Recommended distributors for this material

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