

Electroblend® ABS-1800

Acrylonitrile Butadiene Styrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Electroblend® ABS-1800 is a medium flow conductive ABS compound. This compound provides excellent electrical performance with good mechanical properties.

General Information			
Features	Electrically Conductive		
	Electromagnetic Shielding (EMI)		
	Good Electrical Properties		
	Medium Flow		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Packaging		
	Tape		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	48.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3050	MPa	ASTM D790
Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	82.0	°C	ASTM D648
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	90.0	°C	
Drying Time	4.0	hr	

Rear Temperature	200 to 210	°C
Middle Temperature	210 to 220	°C
Front Temperature	220 to 230	°C
Nozzle Temperature	230 to 240	°C
Processing (Melt) Temp	220 to 240	°C
Mold Temperature	70.0 to 80.0	°C

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Recommended distributors for this material

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