

# Electroblend® ABS-2800

Acrylonitrile Butadiene Styrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

Electroblend® ABS-2800 is a carbon fiber filled conductive ABS compound. This compound provides excellent electrical and mechanical properties with low shrinkage properties.

General Information			
Filler / Reinforcement	Carbon Fiber, 15% Filler by Weight		
Features	Electrically Conductive		
	Electromagnetic Shielding (EMI)		
	Good Electrical Properties		
	Low Shrinkage		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Packaging		
	Tape		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	75.0	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	8300	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	115	°C	
1.8 MPa, Unannealed, 4.00 mm	95.0	°C	
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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