



**Colour Image Plastic Compound Sdn Bhd**  
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Certificate No : SG04/0024/MY  
SONY GREEN PARTNER

## Electroblend<sup>®</sup> ABS-2800 Conductive Compound

### Product Description

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

### General

Features	<ul style="list-style-type: none"> <li>Carbon Fiber Filled, 15%</li> <li>Electrically conductive</li> </ul>	<ul style="list-style-type: none"> <li>EMI Shielding</li> <li>Good mechanical properties</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive applications</li> <li>Electrical packaging</li> </ul>	<ul style="list-style-type: none"> <li>Electrical parts</li> <li>Tapes</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>	
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>	

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (220°C/ 10 kg)	-	g/ 10min	ASTM D1238
Molding Shrinkage (3.2 mm)	0.10 – 0.20	%	ASTM D955
Water Absorption (24 hr)	-	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	-		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	-	MPa	ASTM D638
Tensile Strength	75	MPa	ASTM D638
Tensile Elongation @ Break	1	%	ASTM D638
Flexural Modulus	8303	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, 4.0 mm	115	°C	
1.82 MPa, Unannealed, 4.0 mm	95	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 E 3 - 5	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.6 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90	°C	
Drying Time	4	hr	
Drying Time, Maximum	4	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 to 80	°C	