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Certificate No : SG04/0024/MY
SONY GREEN PARTNER

Electroblend[®] ABS-1900 Antistatic Compound

Product Description

Electroblend[®] ABS-1900 is an antistatic ABS compound. This compound provides excellent antistatic performance with good mechanical properties.

General

Features	<ul style="list-style-type: none"> • Antistatic • Good mechanical properties
Uses	<ul style="list-style-type: none"> • Automotive applications • Electrical parts • Electrical packaging • Tapes
Forms	<ul style="list-style-type: none"> • Pellets
Processing Method	<ul style="list-style-type: none"> • Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Flow Rate (220°C/10 kg)	-	g/10min	ASTM D1238
Molding Shrinkage (3.2 mm)	0.50 – 0.90	%	ASTM D955
Water Absorption – 24hr	-	%	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	42	MPa	ASTM D638
Tensile Elongation @ Break	5.5	%	ASTM D638
Flexural Modulus	2510	MPa	ASTM D790
Flexural Strength	65	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	61	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.0 mm	-	°C	
1.82 MPa, Unannealed, 4.0 mm	83	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 E 6 - 8	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	