Electroblend® HIPS-4900

High Impact Polystyrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Electroblend® HIPS-4900 is an antistatic high impact polystyrenen compound.

General Information			
Additive	Antistatic		
Features	Antistatic		
Uses	Automotive Applications Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.00	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	28.0	MPa	ASTM D638
Tensile Elongation (Break)	73	%	ASTM D638
Flexural Modulus	2520	MPa	ASTM D790
Flexural Strength	44.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	80.0	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+6 to 1.0E+10	ohms	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	200 to 205	°C	
Middle Temperature	205 to 210	°C	
Front Temperature	210 to 220	°C	
Nozzle Temperature	220 to 230	°C	
Processing (Melt) Temp	200 to 230	°C	
Mold Temperature	60.0	°C	

Recommended distributors for this material

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