Electroblend® PP-1800

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Electroblend® PP-1800 is a low flow conductive polypropylene compound characterized by superb impact strength properties.

General Information			
Features	Electrically Conductive Good Impact Resistance Low Flow		
Uses	Automotive Applications Electrical/Electronic Applications Industrial Parts		
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)	1.2 to 1.4	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	20.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Flexural Strength	25.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	550	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	77.0	°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	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	185 to 190	°C	
Middle Temperature	190 to 195	°C	
Front Temperature	195 to 210	°C	

Nozzle Temperature	210 to 220	°C
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	60.0 to 90.0	°C

Recommended distributors for this material

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