

Flexiblend® PP-1300

Polypropylene + EPDM Rubber

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Flexiblend® PP-1300 is an easy flow thermoplastic rubber modified mineral filled polypropylene compound. This grade offers diverse stringent quality requirements including hardness, mechanical and thermal properties.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	Good Flow		
	Good Toughness		
Uses	Automotive Applications		
	Automotive Instrument Panel		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	22.0	MPa	ASTM D638
Tensile Elongation (Break)	75	%	ASTM D638
Flexural Modulus	2810	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm)	125	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	180 to 190	°C	
Middle Temperature	190 to 200	°C	
Front Temperature	200 to 210	°C	

Nozzle Temperature	210 to 220	°C
Mold Temperature	60.0 to 80.0	°C

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