

Flexiblend® PP-2100

Polypropylene + EPDM Rubber

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Flexiblend® PP-2100 is an easy flow thermoplastic rubber modified mineral filled polypropylene compound. This grade offers diverse automotive stringent quality requirements including hardness, mechanical and thermal properties.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	Low Temperature Toughness		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	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	24.0	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	39.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	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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Recommended distributors for this material

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