

# Mineralblend® PP-2800

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

Mineralblend® PP-2800 is a medium flow highly mica filled polypropylene homopolymer compound characterized by high stiffness and dimensional stability and additional low shrinkage properties.

General Information			
Filler / Reinforcement	Mica,40% Filler by Weight		
Features	Good Dimensional Stability		
	High Stiffness		
	Homopolymer		
	Low Shrinkage		
	Medium Flow		
Uses	Appliances		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.60 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	5400	MPa	ASTM D790
Flexural Strength	52.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	140	°C	
1.8 MPa, Unannealed, 4.00 mm	90.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100	°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
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	60.0 to 70.0	°C

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