

# Mineralblend® PP-3850

Polypropylene Homopolymer

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

Mineralblend® PP-3850 is an easy flow calcium carbonate filled polypropylene copolymer compound characterized by good thermal dimensional stability properties with good mechanical performance.

General Information			
Filler / Reinforcement	Calcium Carbonate,40% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	Good Flow		
	Good Thermal Stability		
Uses	Appliances		
	Business Equipment		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.80 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	40.0	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	112	°C	
1.8 MPa, Unannealed, 4.00 mm	72.0	°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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Recommended distributors for this material

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