

# FRblend® PC-1303

Polycarbonate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PC-1303 is 10% glass fiber reinforced flame retardant polycarbonate compound complys with UL 94 V-0 rating at 1.6 mm thickness.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Strength		
Uses	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	105	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	143	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	
Middle Temperature	240 to 250	°C	
Front Temperature	250 to 260	°C	
Nozzle Temperature	260 to 270	°C	
Mold Temperature	80.0 to 120	°C	

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