

# FRblend® PC-1301

Polycarbonate

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® PC-1301 is a high flow flame retardant polycarbonate compound. The flame retardant system is base on brominated aromatic flame retardant. This grade offers good toughness and stiffness.

General Information			
Additive	Flame Retardant		
Features	Brominated		
	Flame Retardant		
	Good Toughness		
	High Flow		
	High Stiffness		
Uses	Automotive Applications		
	Business Equipment		
	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
Molding Shrinkage - Flow (3.20 mm)	0.60 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	70.0	MPa	ASTM D638
Tensile Elongation (Break)	16	%	ASTM D638
Flexural Modulus	2910	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 4.00 mm	115	°C	
1.8 MPa, Unannealed, 4.00 mm	103	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	230 to 240	°C
Middle Temperature	235 to 245	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	250 to 260	°C
Mold Temperature	50.0 to 90.0	°C

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