

# FRblend® ABS-1301

Acrylonitrile Butadiene Styrene

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

FRblend® ABS-1301 is an unfilled, halogen-free flame retardant acrylonitrile butadiene styrene compound. The flame retardant system is base on non-chlorinated and non-brominated.

General Information			
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good Impact Resistance		
	Good Processability		
	Halogen Free		
Uses	Business Equipment		
	Computer Components		
	Computer Data Storage		
	Housings		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	27	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Break)	14	%	ASTM D638
Flexural Modulus	2260	MPa	ASTM D790
Flexural Strength	62.0	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)	80.0	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating (1.60 mm)	V-0	UL 94
Injection	Nominal Value	Unit
Drying Temperature	70.0 to 90.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	185 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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