

Technical Data Sheet



PC-FR-FF

Flame Retardant Grade, Frosted Finish Polycarbonate

Property	Test Method	Units	Grade		
			PC-FR-FF		
General	Density	ASTM D792	g/cm ³	1.24	
	Water Absorption (23°C, 24Hr)	ASTM D570	%	0.14	
	Mould Shrinkage 3.2mmt	Machine direction	ASTM D955	%	0.5 – 0.7
		Transverse direction			0.5 – 0.7
	Glow Wire Temperature 3.2mm	GWFI		°C	960*
		GWIT			875*
Flammability (1.59mm)	UL-94			V-0	
Thermal	Melt flow Rate (300°C, 1.2Kg)	ASTM D1238	gr / 10 min	11	
	Temperature of Deflection under Load (1.80MPa) (0.45MPa)	ASTM D648	°C	133	
		ASTM D648	°C	144	
Coefficient of Linear Thermal Expansion	ASTM D696	mm/mm/°C		5.5 x 10⁻⁵	
Mechanical	Tensile Strength	ASTM D638	MPa	66.7	
	Tensile Elongation	ASTM D638	%	100	
	Flexural Strength	ASTM D790	MPa	87.3	
	Flexural Modulus	ASTM D790	MPa	2260	
	Notched Izod Impact (3.18mm)	ASTM D256	J/m		735
	Rockwell Hardness (R-Scale)	ASTM D785			122
Optical	Total Transmittance @ 3mm	Rapra	%	68	
	Total Transmittance @ 2mm			76	
	Haze @ 2 and 3mm	Rapra	%		100

* Base polymer values – compound under test

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products. Prospective users should determine the suitability of materials before adopting them on a commercial scale.

Features

- Frosted Finish
- Flame Retardant
- Medium Viscosity
- Easy Processing

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