


FRPC500			
Halogen-free Flame-retardant, Film Grade Polycarbonate Masterbatches			
	Characteristics	Extrusion grade, flame-retardant (dropping, 0.43mm UL94 V-0, added 20% masterbatches), halogen-free, easy film-forming, excellent foldability.	
	Applications	Insulation shielding material for printed circuit board, power units, display panel, electrical apparatus.	
Properties (23°C)	Typical Value^[1]	Unit	Test Method
Mechanical			
Tensile Stress	64	MPa	ISO 527
Tensile Strain	80	%	ISO 527
Flexural Stress	85	MPa	ISO 178
Flexural Modulus	2500	MPa	ISO 178
Izod Impact Strength (Notched)	10	kJ/m ²	ISO 180
Thermal			
HDT (1.8MPa, 120°C/h)	125	°C	ISO 75
Melt Flow Index (300°C, 1.2kg)	12	g/10min	ISO 1133
Other			
Density	1.20	g/cm ³	ISO 1183
Surface Resistivity	1E14	Ohm	IEC 60093
Flammability (0.4mm)	V-0	Class	UL-94
Flammability (0.05mm)	VTM-0	Class	UL-94
Molding Process^[2]			
Drying Condition	Temperature	120-130°C	
	Time	4-6h	
Die Temperature	265-280°C		
Extrusion Temperature	260-285°C		

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.