

FRPCM13

Highly Reflective Polycarbonate


Characteristics

Excellent reflectivity, coat-free, high toughness.

Applications

LED taillight frame and reflective bowl, etc.

Properties (23℃)	Typical Value ^[1]	Unit	Test Method
Mechanical			
Tensile Stress	55	MPa	ISO 527
Tensile Strain	50	%	ISO 527
Flexural Stress	90	MPa	ISO 178
Flexural Modulus	2300	MPa	ISO 178
Izod Impact Strength (Notched)	20	kJ/m ²	ISO 180
Thermal			
Heat Deflection Temperature(1.8MPa)	118	℃	ISO 75
Other			
Density	1.27	g/cm ³	ISO 1183
Volume Resistivity	1E14	Ohms·cm	IEC 60093
Flammability	V-0	Class	UL-94
Reflectivity	93	%	ASTM E1104
Mold Shrinkage (MD)	0.4	%	ISO 294
Mold Shrinkage (TD)	0.6	%	ISO 294
Molding Process^[2]			
Drying Condition	Temperature		120-140℃
	Time		4-6h
Mold Temperature	30-80℃		
Barrel Temperature	Nozzle	Front	Middle
	260-280℃	270-290℃	260-280℃
			Rear
			240-260℃

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.