

PC 5000FR

RESIN : POLYCARBONATE (PC)

PRODUCT DESCRIPTION : POLYCARBONATE V0 GRADE, TRANSPARENT .

COLOR No.: TRVN01

Properties	Unit	method	Value
Color	-	-	transparent
Density	g/cm ³	ISO 1183	1.20
Tensile strength	MPa	ISO	65
Tensile Elongation		527-1,2	>50
Flexural strength	MPa	ISO 178	95
Flexural modulus			2400
Charpy impact strength(notched)	kJ/m ²	ISO 179/1eA	>40
Heat Deflection Temperature (1.8MPa)	°C	ISO 75-1,2	130
Volume resistivity	Ω•cm	IEC 60093	1×10 ¹⁴
Surface resistivity	Ω		1×10 ¹⁵
Flammability	Class	UL 94	V0 (3.0 mm) V0(1.5 mm)
Mold shrinkage	%	50x80x3 mmt	0.6~0.8
Melt Flow index	g/10min.	ISO1133	8~12
MOLDING CONDITION			
	°C	Drying	120x 4Hrs
		Melt Temperature	250~280
		Mold Temperature	80~120
	%	Inject. Pressure	40~70
		Inject. Velocity	20~60

*All property values shown in this data sheet are the representative values and not minimum value of this material.