

PRODUCT DATA SHEET

PC 5970 POLYCARBONATE

Application: Suitable for Injection Modeling

Typical Sales Specification:

SR. NO.	PROPERTY	CONDITION	UNIT	TEST METHOD	VALUE
(A) General Property					
1	Density	.....	g/cm ³	ASTM D-792	1.20
2	Melt Flow Rate (MFR)	@ 300 C 1.2 Kgs load	g/10mins	ASTM D-1238	59.1-70.0
(B) Mechanical Property					
3	Tensile Strength	@ Yield	Mpa	ASTM D-638	≥ 60
4	Tensile Stress	@ Yield	Mpa	ASTM D-638	55-70
5	Elongation Strain	@ Break	%	ASTM D-638	> 50
6	Modulus Of Elasticity	.....	Mpa	ASTM D-638	2200-2400
7	Ball Indentation Hardness	.....	N/mm ²	DIN 53456	≥103
(C) Electrical Property					
8	Di- Electric Strength	@ 50 Hz Diameter-50 mm Thickness- 2mm	Kv/mm	ASTM D-149	≥ 20
9	Di- Electric Constant	@ 1 MHz	.....	ASTM D-150	2.8-3.1
10	Loss Index	@ 1 MHz	.....	ASTM D-150	0.008-0.011
11	Loss Index	@ 50 MHz	.....	ASTM D-150	0.0008-0.001
(D) Thermanal Property					
12	Vicat Softening Temperature	50N,50 C/h	°C	ASTM D-1525	140-150
(E) Optical Property					
13	Transmittance	@Thinckness 2mm	%	ASTM D-1003	≥ 80
14	Solvent Content		ppm	GC	500 max