

**Table Data Sheet PC (I) Sheet**

	Test Standard (GB/T 22789.1-2008)	Unit	Typical Value
<b>Physical</b>			
Density	1.45~1.5	g/cm <sup>3</sup>	1.45
<b>Mechanical</b>			
Tensile Strength (Length/Breadth)	≥45	Mpa	52.9/48.9
Elongation (Length/Breadth)	≥8	%	29/32
Notch Impact Strength (Length/Breadth)	≥5	KJ/m <sup>2</sup>	12/10.9
Charpy Unnotched Impact Strength 0°C	-----	KJ/m <sup>2</sup>	pendulum 4J Sample not break
-20°C	-----	KJ/m <sup>2</sup>	
Bending Strength V=2mm/min	-----	Mpa	76.2
Ball Indentation Hardness 358N (h: 0.118~0.138)	-----	N/m m <sup>2</sup>	221
<b>Thermal</b>			
Vicat Softening Temperature	≥70	°C	86
Heat Shrinkage (Length/Breadth)	-5~+5	%	-5.0/+1.78
Deflection temperature under load (Length/Breadth)	-----	°C	69.5/69.7
<b>Chemical</b>			
35%±1% (v/v) HCl 5h 60°C	±10	g/ cm3	+5
30%±1% (v/v) H2SO4 5h 60°C	±8	g/ cm3	+4
40%±1% (v/v) HNO3 5h 60°C	±8	g/ cm3	+4
40%±1% (v/v) NaOH 5h 60°C	±5	g/ cm3	+2
<b>Electrical</b>			
Volume Resistivity	-----	ohm·cm	5.5×10 <sup>13</sup>