

## PC 3025A Technical Datasheet

**1) Product Description:**

PC 3025A is a polycarbonate resin grade which has high low temperature impact strength in combination with superior mechanical and physical property.

**2) Applications:**

PC 3025A resin grade is used in electric and electronic applications, and it shows superior performance as the material for backlight panel of cellular phones.

Medium viscosity. Transparent colors only.

**3) Typical data:**

<b>Property</b>	<b>Test method</b>	<b>Unit</b>	<b>value</b>
Specific Gravity	ASTM D792	-	1.20
Water Absorption (24 hours at 23°C)	ASTM D570	%	0.15
Melt Flow Rate (300°C, 1.2kg)	ASTM D1238	g/10min	10
Tensile Strength at yield	ASTM D638	Kgf/cm <sup>2</sup>	700
Tensile Elongation at break	ASTM D638	%	120
Flexural Strength at yield	ASTM D790	Kgf/cm <sup>2</sup>	880
Flexural Modulus	ASTM D790	Kgf/cm <sup>2</sup>	20.000
Izod Impact Strength, notched, 23°C (1/8")	ASTM D256	Kgf cm/cm	85
Rockwell Hardness	ASTM D785	R scale	
HDT, 18.6 kg °C D648 125 f/cm <sup>2</sup>	ASTM D648	°C	125
Coefficient of Linear Thermal Expansion	ASTM D696	mm/mm/ °C	5~7×10 <sup>-5</sup>
Volume Resistivity	ASTM D257	Ω.cm	4×10 <sup>16</sup>
Dielectric Strength	ASTM D149	kV/mm	30
Dielectric Constant	ASTM D150	-	
Dissipation Factor	ASTM D150	-	
ARC Resistance	ASTM D495	sec	120
UL-94 Flammability (1/16" thickness)	UL 94	-	V-2
Mold Shrinkage (3mm thickness)	ASTM D955	%	0.5~0.7

\* Typical values not to be construed as specifications.cm

