

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:

Property	Test method	Unit	value
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 ²	700
Tensile Elongation at break	ASTM D638	%	120
Flexural Strength at yield	ASTM D790	Kgf/cm ²	880
Flexural Modulus	ASTM D790	Kgf/cm ²	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 ²	ASTM D648	°C	125
Coefficient of Linear Thermal Expansion	ASTM D696	mm/mm/ °C	5~7×10 ⁻⁵
Volume Resistivity	ASTM D257	Ω.cm	4×10 ¹⁶
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