



Technical Datasheet: PC 3025A

Product Description:

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

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.

Typical data:

| PROPERTY | TEST METHOD | UNIT | TYPICAL 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