



POLYCARBONATE LIKE 84D RAPIDSHOT

Product Highlights:

- Convenient 1:1 by volume ratio
- Non-Mercury Catalyst System
- High impact rigid material
- Translucent-Easy to color
- Fast demolds
- Excellent for vacuum, pressure or hand casting
- Exhibits high heat distortion temperature

Product Description:

TC-820 A/B produces a high impact rigid 84 Shore D material that is commonly used to make computer housings, models of all kinds, artwork, and can also be used for electronic component encapsulation.

Physical Properties

Hardness, Shore D ASTM D 2240.....	84 ± 2
Density, (g/cc) ASTM D 792.....	1.17
Cubic Inches per Pound.....	24.6
Color/Appearance.....	Translucent colorless
Tensile Strength, (psi) ASTM D 638.....	8,700
Tensile Modulus, (psi) ASTM D 638.....	2.8 x 10 ⁵
Elongation, (%) ASTM D 638.....	10
Flexural Strength, (psi) ASTM D 790.....	12,600
Flexural Modulus, (psi) ASTM D 790.....	3.2 x 10 ⁵
Shrinkage, (in./in.) linear 12" x 1/2" x 1/2".....	0.002
Izod Impact, notched (ft.-lb./in.) ASTM D 2566.....	0.8
Heat Deflection Temperature (@ 66 psi) ASTM D 648.....	200° ± 5°F (93° ± 3°C)
(@ 264 psi) ASTM D 648.....	175° ± 5°F (79° ± 3°C)

(Note: Reported physical properties based on elevated temperature cured test specimens.)

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