



ABS LIKE FR 80D

Product Highlights:

- Non-mercury
- Demold time: 3-4 hours at ambient temperature in a silicone rubber mold (1/8" thick section)
- Fire retardant material. Meets UL 94 V0

Product Description:

TC-891 A/B FR incorporates a non-mercury based catalyst system that produces a tough 80 shore D material with a 12-minute work time. This system can be used to hand pour large electronic housing, models of all kinds, and point of purchase items.

Physical Properties

Hardness, Shore D ASTM D 2240.....	80 ± 2
Density, (g/cc) ASTM D 792.....	1.31
Cubic Inches per Pound.....	21.9
Color/Appearance.....	White/Opaque
Tensile Strength, (psi) ASTM D 638.....	6,400
Tensile Modulus, (psi) ASTM D 638.....	2.63 x 10 ⁵
Elongation, (%) ASTM D 638.....	4.6
Flexural Strength, (psi) ASTM D 790.....	11,450
Flexural Modulus, (psi) ASTM D 790.....	3.29 x 10 ⁵
Shrinkage, (in./in.) linear 12" x 1/2" x 1/2".....	0.004
Izod Impact, notched (ft.-lb./in.) ASTM D 256.....	0.55
Heat Deflection Temperature (@ 66 psi) ASTM D 648.....	195°F (91°C)
(@ 264 psi) ASTM D 648.....	183°F (84°C)

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

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