

Cast Urethane TC-890 FR

Features & Benefits

- 80 Shore D
- White / Opaque
- Fire Retardant
- Excellent Durability

MECHANICAL PROPERTIES ¹	TEST METHOD	IMPERIAL
Density	ASTM D792	1.31 g/cc
Tensile Strength	ASTM D638	6,400 psi
Tensile Modulus	ASTM D638	2.63 x 10 ⁵ psi
Elongation	ASTM D638	4.6%i
Flexural Strength	ASTM D790	11,450 psi
Flexural Modulus	ASTM D790	3.29 x 10 ⁵ psi
Shrinkage (linear 12'x1/2"x1/2")		0.004 in/in
Izod Impact, notched	ASTM D256	.55 ft-lb/in
Heat Deflection Temperature (@66 psi)	ASTM D648	195°F (91°C)
(@264 psi)		183°F (84°C)

The information presented are typical values intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, etc. Actual values will vary with build conditions. Tested parts were built on FDM 400mc @ 0.10" (0.254 mm) slice. Product specifications are subject to change without notice.

¹ Build orientation is on side long edge ² Due to amorphous nature, material does not display a melting point ³ Literature value unless otherwise noted