

Cast Urethane TC-895

Features & Benefits

- 84 Shore D
- Black
- High Heat Resistance

MECHANICAL PROPERTIES ¹	TEST METHOD	IMPERIAL
Density	ASTM D792	1.22 g/cc
Tensile Strength	ASTM D638-03	10,300 psi
Tensile Modulus	ASTM D638-03	2.93 x 10 ⁵ psi
Elongation	ASTM D638-03	9.1%i
Flexural Strength	ASTM D790-03	12,700 psi
Flexural Modulus	ASTM D790-03	3.17 x 10 ⁵ psi
Shrinkage (linear 12'x1/2"x1/2")		0.008 in/in
Izod Impact, notched	ASTM D256-05	.88 ft-lb/in
Heat Deflection Temperature (@66 psi)	ASTM D648	340°F (171°C)
(@264 psi)		218°F (103°C)
Coefficient of Thermal Expansion	ASTM E831-06	73.1 x 10 ⁵ in/in/°F

MECHANICAL PROPERTIES ²	TEST METHOD	IMPERIAL
Tensile Strength	ASTM D638-03	10,400 psi
Tensile Modulus	ASTM D638-03	2.87 x 10 ⁵ psi
Elongation	ASTM D638-03	9.8%
Flexural Strength	ASTM D790-03	12,200 psi
Flexural Modulus	ASTM D790-03	3.03 x 10 ⁵ psi
Shrinkage (linear 12'x1/2"x1/2")		0.005 in/in
Izod Impact, notched	ASTM D256-05	.95 ft-lb/in
Heat Deflection Temperature (@66 psi)	ASTM D648	290°F (143°C)
(@264 psi)		213°F (101°C)

The information presented are based on various cure schedules. Please see manufacturers data sheets for more information regarding curing schedules. 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