

## Cast Urethane TC-851

### Features & Benefits

- High Impact
- Rigid
- 78 Shore D
- White

MECHANICAL PROPERTIES <sup>1</sup>	TEST METHOD	IMPERIAL
Tensile Strength	ASTM D638	7,200 psi
Tensile Modulus	ASTM D638	2.1 x 10 <sup>5</sup> psi
Tensile Elongation	ASTM D638	8%
Flexural Strength	ASTM D790	10,300 psi
Flexural Modulus	ASTM D790	2.6 x 10 <sup>5</sup> psi
Shrinkage (linear 12"x1/2"x1/2")		0.005 in/in
IZOD Impact, Notched (Method A 23°C)	ASTM D256	0.65 ft.-lb. / in
Heat Deflection (HDT)	ASTM D648	
@ 66 psi		210° ± 5°F (99° ± 3°C)
@ 264 psi		195° ± 5°F (91° ± 3°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.

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