

# Mechanical Properties for Polypropylene-like Urethane



## Polypropylene-like Urethane

PROPERTIES	CLEAR	TEST METHOD
Color	Transparent, Water-White	Visual
Cured Hardness, Shore D	80 -85D	ASTM D2240
Specific Volume, cu.in. /lb	24.2 cu.in. /lb	ASTM D792
Tensile Strength, psi	10,080 psi	ASTM D638
Elongation at Break, %	41 %	ASTM D638
Tensile Modulus, psi	69,720 psi	ASTM D638
Flexural Strength, psi	13,576 psi	ASTM D790
Flexural Modulus, psi	$3.52 \times 10^5$ psi	ASTM D790
Compressive Strength, psi	11,010 psi	ASTM D695
Compressive Modulus, psi	$3.63 \times 10^5$ psi	ASTM D695
Glass Transition Temperature (Tg)	166°F	TMA
Coefficient of Thermal Expansion, Range: 100 °F to 150 °F	$4.94 \times 10^{-5}$ inch / inch / °F	ASTM D696

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