

# Mechanical Properties for ABS-like Urethane



## ABS-Like Urethane

PROPERTIES	ABS-Like	TEST METHOD
Color	Natural Translucent	Visual
Cured Hardness, Shore D	80 – 82 D	ASTM D2240
Specific Volume, cu.in. /lb	24.9	ASTM D792
Tensile Strength, psi	10,262 psi	ASTM D638
Elongation at Break, %	7.5 %	
Tensile Modulus, psi	357,765 psi	
Flexural Strength, psi	14,800 psi	ASTM D790
Flexural Modulus, psi	369,110 psi	
Compressive Strength, psi	14,457 psi	ASTM D695
Compressive Modulus, psi	393,170 psi	
Glass Transition Temperature (Tg)	207 °F	TMA
Coefficient of Thermal Expansion, Range: 50 °C to 100 °C	$6.11 \times 10^{-5}$ in./in./ °F	ASTM D696
Heat Deflection Temp., 66 psi 264 psi	166 °F 151 °F	ASTM D648
Izod Impact Strength, (ft.lbs. per inch of notched). Notched Un-notched	0.46 3.5	ASTM D256

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