



## ***Properties of Nylon MD Shapes***

Specific Gravity	1.15 g/cm3
Tensile Strength	10,500 - 12,000 (psi)
Compressive Strength @ 10% Deflection	15,000 (psi)
Elongation	30 - 40 %
Tensile Modulus	460,000 (psi)
Tensile Impact, 73°F	80 - 130 ft. lbs./ in.
Flexural Strength	17,000 (psi)
Flexural Modulus	330,000 (psi)
Coefficient of Friction	.36 - .42 (dry vs. Steel)
24 Hour H2O	.5 %
Equilibrium H2O	1.25 - 4 %
Hardness	80 (Scale D)
Coefficient of Thermal Expansion	5.5 x 10 (-5) in./in./F
Continuous Operating Temp	220 - 250 Degrees F

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