



NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution

NYLATECH TYPE 6/12 MONOMER CAST NYLON



Nylatech® Nythane

Specific Gravity	1.13 g/cm ³
Tensile Strength	8,500 - 10,000 (psi)
Compressive Strength @ 10% Deflection	12,000 (psi)
Elongation	40 - 50 %
Tensile Modulus	390,000 (psi)
Notched Izod impact	1.2 - 1.5 ft. lbs./in.
Flexural Strength	16,500 (psi)
Flexural Modulus	320,000 (psi)
Coefficient of Friction	.36 - .45 (dry vs. Steel)
24 Hour H ₂ O	.3 - .5 %
Equilibrium H ₂ O	0.8 - 2.0 %
Hardness	80 (Scale D)
Coefficient of Thermal Expansion	5.5 x 10 ⁻⁵ in./in./F
Continuous Operating Temp	200 - 230 Degrees F

All NYLATECH Material is certified to conform with ASTM - D5989 Specification.

NYLATECH® NATURAL, NATURAL-OIL grades all meet requirements for 21 CFR 177.1500 of the U.S. FDA.

Above values are intended for guidance to material selection only. As with any new application, NYLATECH recommends testing in actual application prior to specification.

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