

DATA SHEET

NYLON MD

PHYSICAL

SPECIFIC GRAVITY	1.14
WATER ABSORPTION, 24 hr. (%)	.05 - 1.4

MECHANICAL

TENSILE

Strength, Yield (10 ³ psi) @ 73°F.	10 - 14
Elongation, Ultimate (%) @ 73°F.	5 - 150
Modulus, Yield (10 ³ psi) @ 73°F.	450 - 600

FLEXURAL

Strength, (10 ³ psi) @ 73°F.	16 - 19
Modulus, Yield (10 ³ psi) @ 73°F.	520

COMPRESSIVE STRENGTH

2% Offset, (10³ psi)

IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F. .50

HARDNESS

D80 - 90

COEFFICIENT OF STATIC FRICTION

Against self

Against steel

.25

THERMAL

CONDUCTIVITY

(BTU/hr/sq. ft./Degree F./in.)

COEFF. OF THERMAL EXPANSION

(10⁻⁵/Degree F.) 3.5

SPECIFIC HEAT

(BTU/lb./Degree F.)

HEAT DEFLECTION TEMP.

(Degree F.)

At 66 psi. 400 - 490

At 264 psi 200 - 470

MAX. CONTINUOUS TEMP. (F.°)

180 - 200

ELECTRICAL

VOLUME RESISTIVITY

(Ohm/cm) 2.5 X 10¹³

DIELECTRIC STRENGTH

(V/Mil) 300 - 400

DIELECTRIC CONSTANT

At 60 HZ

At 1 MHZ

DISSIPATION FACTOR

At 60 HZ

At 1 MHZ

ARC RESISTANCE (seconds)



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