

DATA SHEET

POLYURETHANE

PHYSICAL

SPECIFIC GRAVITY	1.03 - 1.5
WATER ABSORPTION, 24 hr. (%)	.2 - 1.5

MECHANICAL

TENSILE

Strength, Yield (10 ³ psi) @ 73°F.	.175 - 10
Elongation, Ultimate (%) @ 73°F.	100 - 1000
Modulus, Yield (10 ³ psi) @ 73°F.	10 - 100

FLEXURAL

Strength, (10 ³ psi) @ 73°F.	.7 - 4.5
Modulus, Yield (10 ³ psi) @ 73°F.	10 - 100

COMPRESSIVE STRENGTH

2% Offset, (10³ psi)

IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F. 25 to flex

HARDNESS

D90

COEFFICIENT OF STATIC FRICTION

Against self

Against steel

THERMAL

CONDUCTIVITY

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

COEFF. OF THERMAL EXPANSION

(10⁻⁵/Degree F.)

SPECIFIC HEAT

(BTU/lb./Degree F.)

HEAT DEFLECTION TEMP.

(Degree F.)

At 66 psi.

At 264 psi

MAX. CONTINUOUS TEMP. (F.°)

ELECTRICAL

VOLUME RESISTIVITY

(Ohm/cm)

DIELECTRIC STRENGTH

(V/Mil)

300 - 500

DIELECTRIC CONSTANT

At 60 HZ

4.0 - 7.5

At 1 MHZ

6.5 - 7.1

DISSIPATION FACTOR

At 60 HZ

.15 - .017

At 1 MHZ

ARC RESISTANCE (seconds)

0.1 - 0.6



550 Mallory Way • Carson City, NV 89701

(775) 283-4400 • (800) 475-2214

www.polymerplastics.com