

DATA SHEET

L.D. POLYPROPYLENE

PHYSICAL

SPECIFIC GRAVITY	.90 - .91
WATER ABSORPTION, 24 hr. (%)	.01 - .03

MECHANICAL

TENSILE

Strength, Yield (10 ³ psi) @ 73°F.	4.5 - 5.4
Elongation, Ultimate (%) @ 73°F.	100 - 600
Modulus, Yield (10 ³ psi) @ 73°F.	165 - 225

FLEXURAL

Strength, (10 ³ psi) @ 73°F.	6 - 8
Modulus, Yield (10 ³ psi) @ 73°F.	170 - 250

COMPRESSIVE STRENGTH

2% Offset, (10³ psi)

IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F.	.4 - 1.2
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HARDNESS

R80 - 102

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.	225 - 250
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At 264 psi	120 - 140
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MAX. CONTINUOUS TEMP. (F.°)

ELECTRICAL

VOLUME RESISTIVITY

(Ohm/cm)

DIELECTRIC STRENGTH

(V/Mil)

600

DIELECTRIC CONSTANT

At 60 HZ

2.2 - 2.6

At 1 MHZ

2.2 - 2.6

DISSIPATION FACTOR

At 60 HZ

<0.0005

At 1 MHZ

<0.0005

ARC RESISTANCE (seconds)

136 - 185



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