

DATA SHEET

PEEK

PHYSICAL

SPECIFIC GRAVITY	1.32
WATER ABSORPTION, 24 hr. (%)	0.1 - .15

MECHANICAL

TENSILE

Strength, Yield (10 ³ psi) @ 73°F.	14.5
Elongation, Ultimate (%) @ 73°F.	30 - 150
Modulus, Yield (10 ³ psi) @ 73°F.	160

FLEXURAL

Strength, (10 ³ psi) @ 73°F.	16
Modulus, Yield (10 ³ psi) @ 73°F.	550

COMPRESSIVE STRENGTH

2% Offset, (10 ³ psi)	18
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IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F.	1.6
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HARDNESS

R126

COEFFICIENT OF STATIC FRICTION

Against self	
Against steel	.20

THERMAL

CONDUCTIVITY

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

COEFF. OF THERMAL EXPANSION

(10 ⁻⁵ /Degree F.)	2.1 - 2.4
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SPECIFIC HEAT

(BTU/lb./Degree F.)

HEAT DEFLECTION TEMP.

(Degree F.)

At 66 psi.

At 264 psi

568 - 608

MAX. CONTINUOUS TEMP. (F.°)

600

ELECTRICAL

VOLUME RESISTIVITY

(Ohm/cm)

4.9 - 10¹⁶

DIELECTRIC STRENGTH

(V/Mil)

480

DIELECTRIC CONSTANT

At 60 HZ

At 1 MHZ

DISSIPATION FACTOR

At 60 HZ

At 1 MHZ

ARC RESISTANCE (seconds)



550 Mallory Way • Carson City, NV 89701

(775) 283-4400 • (800) 475-2214

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