

DATA SHEET

POLYSULFONE

**PHYSICAL**

SPECIFIC GRAVITY

WATER ABSORPTION, 24 hr. (%)

.3

**MECHANICAL**

TENSILE

Strength, Yield (10<sup>3</sup> psi) @ 73°F.

10.2

Elongation, Ultimate (%) @ 73°F.

Modulus, Yield (10<sup>3</sup> psi) @ 73°F.

360

FLEXURAL

Strength, (10<sup>3</sup> psi) @ 73°F.

15.4

Modulus, Yield (10<sup>3</sup> psi) @ 73°F.

390

COMPRESSIVE STRENGTH

2% Offset, (10<sup>3</sup> psi)

IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F.

1.30

HARDNESS

R120

COEFFICIENT OF STATIC FRICTION

Against self

Against steel

**THERMAL**

CONDUCTIVITY

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

COEFF. OF THERMAL EXPANSION

(10<sup>-5</sup>/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)

5 X 10<sup>16</sup>

DIELECTRIC STRENGTH

(V/Mil)

425

DIELECTRIC CONSTANT

At 60 HZ

3.07 - 3.03

At 1 MHZ

DISSIPATION FACTOR

At 60 HZ

.0008 - .0034

At 1 MHZ

**ARC RESISTANCE (seconds)**

1.22



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