

DATA SHEET

REXOLITE

**PHYSICAL**

SPECIFIC GRAVITY	1.05
WATER ABSORPTION, 24 hr. (%)	.02 - .03

**MECHANICAL**

TENSILE

Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	8 - 10
Elongation, Ultimate (%) @ 73°F.	3
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	240

FLEXURAL

Strength, (10 <sup>3</sup> psi) @ 73°F.	10 - 15
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	

COMPRESSIVE STRENGTH

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

IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F.

HARDNESS

R110 - 120

COEFFICIENT OF STATIC FRICTION

Against self

Against steel

**THERMAL**

CONDUCTIVITY

(BTU/hr/sq. ft./Degree F./in.) 5.0

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

200 - 225

MAX. CONTINUOUS TEMP. (F.°)

215

**ELECTRICAL**

VOLUME RESISTIVITY

(Ohm/cm) 10<sup>15</sup>

DIELECTRIC STRENGTH

(V/Mil) 700 - 1200

DIELECTRIC CONSTANT

At 60 HZ 2.55

At 1 MHZ 2.55

DISSIPATION FACTOR

At 60 HZ

At 1 MHZ

**ARC RESISTANCE (seconds)**



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