

DATA SHEET

RYTON PPS

**PHYSICAL**

SPECIFIC GRAVITY	1.3
WATER ABSORPTION, 24 hr. (%)	> .02

**MECHANICAL**

TENSILE

Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	9.5 - 12.8
Elongation, Ultimate (%) @ 73°F.	1 - 3
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	480 - 540

FLEXURAL

Strength, (10 <sup>3</sup> psi) @ 73°F.	14 - 21.2
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	550

COMPRESSIVE STRENGTH

2% Offset, (10 <sup>3</sup> psi)	14
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IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F.	< .5
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HARDNESS

R123

COEFFICIENT OF STATIC FRICTION

Against self	
Against steel	.030

**THERMAL**

CONDUCTIVITY

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

COEFF. OF THERMAL EXPANSION

(10 <sup>-5</sup> /Degree F.)	2.7
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SPECIFIC HEAT

(BTU/lb./Degree F.)

HEAT DEFLECTION TEMP.

(Degree F.)

At 66 psi.	
At 264 psi	221 - 275

MAX. CONTINUOUS TEMP. (F.°)

**ELECTRICAL**

VOLUME RESISTIVITY

(Ohm/cm)

DIELECTRIC STRENGTH

(V/Mil)	380 - 410
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DIELECTRIC CONSTANT

At 60 HZ

At 1 MHZ

DISSIPATION FACTOR

At 60 HZ

At 1 MHZ

**ARC RESISTANCE (seconds)**



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