

DATA SHEET

TORLON

PHYSICAL

SPECIFIC GRAVITY	1.51
WATER ABSORPTION, 24 hr. (%)	.33

MECHANICAL

TENSILE

Strength, Yield (10 ³ psi) @ 73°F.	22
Elongation, Ultimate (%) @ 73°F.	15
Modulus, Yield (10 ³ psi) @ 73°F.	700

FLEXURAL

Strength, (10 ³ psi) @ 73°F.	34.9
Modulus, Yield (10 ³ psi) @ 73°F.	730

COMPRESSIVE STRENGTH

2% Offset, (10 ³ psi)	32.1
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IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F.	2.7
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HARDNESS

E86

COEFFICIENT OF STATIC FRICTION

Against self

Against steel

THERMAL

CONDUCTIVITY

(BTU/hr/sq. ft./Degree F./in.)	1.8
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COEFF. OF THERMAL EXPANSION

(10 ⁻⁵ /Degree F.)	1.7
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SPECIFIC HEAT

(BTU/lb./Degree F.)

HEAT DEFLECTION TEMP.

(Degree F.)

At 66 psi.

At 264 psi	532
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MAX. CONTINUOUS TEMP. (F.°)

500

ELECTRICAL

VOLUME RESISTIVITY

(Ohm/cm)	8 X 10 ¹⁶
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DIELECTRIC STRENGTH

(V/Mil)	580
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DIELECTRIC CONSTANT

At 60 HZ

At 1 MHZ	3.9
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DISSIPATION FACTOR

At 60 HZ

At 1 MHZ	.031
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ARC RESISTANCE (seconds)



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