

## DATA SHEET

# BUTYRATE

### PHYSICAL

SPECIFIC GRAVITY	1.19
WATER ABSORPTION, 24 hr. (%)	2 - 7

### MECHANICAL

#### TENSILE

Strength, Yield (10 <sup>3</sup> psi) @ 73°F.	2.6 - 6.9
Elongation, Ultimate (%) @ 73°F.	50 - 100
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	200 - 250

#### FLEXURAL

Strength, (10 <sup>3</sup> psi) @ 73°F.	4 - 9
Modulus, Yield (10 <sup>3</sup> psi) @ 73°F.	55 - 185

#### COMPRESSIVE STRENGTH

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

#### IMPACT STRENGTH

Izod, Notched (ft. - lb./in.) @ 73°F. .8 - 6.3

#### HARDNESS

R130 - R115

#### 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. 130 - 227

At 264 psi 113 - 202

#### MAX. CONTINUOUS TEMP. (F.°)

### ELECTRICAL

#### VOLUME RESISTIVITY

(Ohm/cm)

#### DIELECTRIC STRENGTH

(V/Mil)

#### DIELECTRIC CONSTANT

At 60 HZ 4 - 5

At 1 MHZ 4 - 5

#### DISSIPATION FACTOR

At 60 HZ .01 - .02

At 1 MHZ .02 - .04

#### ARC RESISTANCE (seconds)



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