

DATA SHEET

PPS 0300PO

PHYSICAL

| | |
|------------------------------|------|
| SPECIFIC GRAVITY | 1.35 |
| WATER ABSORPTION, 24 hr. (%) | .01 |

MECHANICAL

TENSILE

| | |
|---|-----------|
| Strength, Yield (10 ³ psi) @ 73°F. | 12.5 |
| Elongation, Ultimate (%) @ 73°F. | 3.0 |
| Modulus, Yield (10 ³ psi) @ 73°F. | 480 - 540 |

FLEXURAL

| | |
|--|-----------|
| Strength, (10 ³ psi) @ 73°F. | 14 - 21.2 |
| Modulus, Yield (10 ³ psi) @ 73°F. | 550 |

COMPRESSIVE STRENGTH

| | |
|----------------------------------|----|
| 2% Offset, (10 ³ psi) | 14 |
|----------------------------------|----|

IMPACT STRENGTH

| | |
|---------------------------------------|-------|
| Izod, Notched (ft. - lb./in.) @ 73°F. | < 0.5 |
|---------------------------------------|-------|

HARDNESS

R123

COEFFICIENT OF STATIC FRICTION

| | |
|---------------|-----|
| Against self | |
| Against steel | .30 |

THERMAL

CONDUCTIVITY

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

COEFF. OF THERMAL EXPANSION

| | |
|-------------------------------|-----|
| (10 ⁻⁵ /Degree F.) | 2.7 |
|-------------------------------|-----|

SPECIFIC HEAT

(BTU/lb./Degree F.)

HEAT DEFLECTION TEMP.

| | |
|-------------|-----|
| (Degree F.) | 221 |
|-------------|-----|

At 66 psi.

| | |
|------------|-----|
| At 264 psi | 390 |
|------------|-----|

MAX. CONTINUOUS TEMP. (F.°)

ELECTRICAL

VOLUME RESISTIVITY

| | |
|----------|------------------|
| (Ohm/cm) | 10 ¹⁶ |
|----------|------------------|

DIELECTRIC STRENGTH

| | |
|---------|-----------|
| (V/Mil) | 380 - 410 |
|---------|-----------|

DIELECTRIC CONSTANT

At 60 HZ

At 1 MHZ

DISSIPATION FACTOR

At 60 HZ

At 1 MHZ

ARC RESISTANCE (seconds)



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