

"KEL-F" ELASTOMER GUM (BURIAL PACKAGING)

PHYSICAL PROPERTIES

Water Absorption: thin sheets immersed in water for 34 days at 70°F. showed a weight increase of only 0.24%, corresponding to an absorption of 2.65 mg per square inch of exposed area.

Specific Gravity: 1.85

Fluorine Content: > 50%

Color: Translucent, off-white

Tensile, psi: 300-600

Elongation, %: 600-800

Hardness, Shore A: 40-45

Intrinsic Viscosity, MEK, 30°C.: 2-3

ELECTRICAL PROPERTIES

Dielectric Strength (short time)
Volts/mil Average 642

Dielectric Strength (step-by-step) 553

Volume Resistivity
Ohm-centimeter 1.21 x 10¹⁴

Dielectric Constant
60 cycles 6.52
1000 6.08
10⁶ 4.05

Power Factor
60 cycles 0.028
1000 0.057
10⁶ 0.120

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