

TYPICAL PROPERTIES

SPO Series

PHYSICAL

Tensile Strength: 2400 PSI
Ultimate Elongation: 400%
Longitudinal Change: Classes 1, 2 - ±5% Class 3 - +1%, -10%
Secant Modulus (2%): 13,000 PSI
Specific Gravity: Class 1 - 1.3 Class 2 - 0.93 Class 3 - 1.5
Heat Aging: (336 hrs. @ 175°C) - Elongation 175%
Heat Shock: (4 hrs. @ 250°C) - No dripping, cracking, passes mandrel wrap test
Low Temp. Flexibility: (4 hrs. @ -55°C) - No cracking
Flammability: Class 1 - Self-extinguishing, meets UL 224 All-Tubing Flame Test Class 2 - Non Self-extinguishing Class 3 - Self-extinguishing, meets UL 224 VW-1 Test
Abrasion Resistance: Good

ELECTRICAL

Dielectric Strength: 900 V/mil
Volume Resistivity: 10^{15} ohm-cm

CHEMICAL

Corrosion Resistance: Non-Corrosive
Fluid Resistance: Fuels and Oils - Good Solvents - Excellent Acids & Alkalies - Excellent
Water Absorbtion: 0.2%
Fungus Resistance: Non-nutrient