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Physical Properties on Mosites #2902 Aflas

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #2902 Aflas compound, but they should not be used to set Quality Control Specification minimum requirements. Service temperature range of -10°F to 450°F.

Hardness (Shore A).....	75
Tensile Strength (psi).....	2295
Elongation at Break (%).....	223%
Modulus at 100% Elongation (psi).....	900
Tear Strength (ppi).....	112
Specific Gravity.....	1.57
% Compression Set (22 hours at 350 °F).....	31%
Thermal Conductivity (BTU/ft/ft ² /hr/°F)	0.129
Linear Thermal Coefficient of Expansion (in/in/°F).....	8.8 x 10 ⁻⁵ (72°F to 350°F)
Volumetric Coefficient of Thermal Expansion (in/in/°F)...	2.6 x 10 ⁻⁴ (72°F to 350°F)
Electrical Resistivity (ohms/cm) at 75°F.....	>1,000,000
Electrical Resistivity (ohms/com) at 400°F.....	1,000,000

Mosites #2902 Aflas compound is a high temperature Fluoroelastomer compound that can be co-cured with several Mosites Rubber Company silicone formulations. This property will allow a narrow border of the #2902 Aflas to be used as a perimeter seal area on a silicone vacuum blanket that is compatible with standard bag sealant tapes.