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Physical Properties on Mosites #14272

The physical properties shown below were obtained using 0.080 inch thick molded ASTM samples. They are typical of Mosites #14272 silicone rubber compound, but they should not be used to set Quality Control Specification minimum requirements. The electrical properties were obtained from 0.060 inch thick calendered samples for the fabric finish and 0.080 inch thick molded samples for the smooth finish.

Hardness (Shore A)	48
Tensile Strength (psi)	950
Elongation at Break (%)	710
Modulus at 100% Elongation (psi)	177
Modulus at 300% Elongation (psi)	411
Tear Strength (ppi)	238
% Compression Set (22 hours at 350F)	20%
Volume Resistivity (Ohm-cm)	
Fabric Finish	1.62E6
Smooth Finish	9.43E5

Mosites #14272 is a 50 Durometer, low modulus, silicone rubber for use as vacuum blankets in applications where anti-static properties are required.