MOSITES
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Typical Physical Properties on Mosites #10228 Viton

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #10228 Viton rubber compound, but they should not be used to set Quality Control Specification minimum requirements.

Hardness (Shore A)	76
Tensile Strength (psi)	1883
Elongation at Break (%)	189%
Modulus at 100% Elongation (psi)	962
Tear Strength (ppi)	152
Compression Set (%)	11% (22 hours at 350°F)
Specific Gravity	1.84
Total Mass Loss (TML)	0.19%
Collect Volatile Conden. Materials (CVCM)	0.00%

Mosites #10228 is a 75 durometer Viton compound. It meets the requirements of Mil-R-83248-C, Type II, Class I, AMS 7276, and AMS 3216. It has excellent resistance to aliphatic and aromatic hydrocarbons, petroleum oils, fuels, ozone and weather, chlorinated solvents, lubricants, and animal or vegetable oils. It has a service temperature range of –10°F to 500°F and is considered low-outgassing.

Mosites #10228 is not recommended for service in acids or hot water and steam. Mosites has other Fluoroelastomer compounds for these applications. Fluoroelastomer is not recommended for service in low molecular weight esters and ethers, ketones, certain amines, hot anhydrous hydrofluoric or chlorosulphonic acids and alkyl phosphate esters.

TML and CVCM tested per ASTM E595.

As of April 24, 2024, Mosites #10228 has changed from a 3M fluoroelastomer polymer to a Viton polymer.