

Physical Properties on Mosites #60412 Neoprene Rubber

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #60412 Neoprene rubber compound, but they should not be used to set Quality Control Specification minimum requirements.

Hardness (Shore A).....	70
Tensile Strength (psi).....	2100
Elongation at Break (%).....	360%
Modulus at 100% Elongation (psi).....	525
Modulus at 300% Elongation (psi).....	1625
Tear Strength (ppi).....	180
Specific Gravity.....	1.47
% Compression Set (22 Hours at 212 F).....	18%
Shelf Life (Stored at 40 to 70 ⁰ F).....	6 Months for uncured compound 5 Years for cured linings
Temperature Range	-50 ⁰ F to +250 ⁰ F
Classification.....	ASTM D-2000 M5 BC714 A ₁₄ EO ₃₄ Z ₁

Mosites #60412 is a high strength Neoprene Rubber compound with good weather and ozone resistance. It offers good resistance to petroleum oils and grease, alkalies, salt water and salt solutions. It has fair resistance to inorganic acids, especially sulfuric acid. This product meets the requirements of DuPont Gasket Code S-12.