

Physical Properties on Mosites #564 Natural Rubber

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #564 Natural rubber compound, but they should not be used to set Quality Control Specification minimum requirements.

Hardness (Shore A).....	70
Tensile Strength (psi).....	3850
Elongation at Break (%).....	450%
Modulus at 100% Elongation (psi).....	690
Modulus at 300% Elongation (psi).....	2250
Tear Strength (ppi).....	365
Specific Gravity.....	1.17
% Compression Set (22 Hours at 158 F).....	28%
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 +175 ⁰ F
Classification.....	ASTM D-2000 AA730 Z

Mosites #564 is a high strength Natural Rubber compound with excellent abrasion resistance. It offers excellent resistance to alkalies, salt water, chlorine solutions, ketones and mineral oil. It has fair resistance to inorganic acids, especially hydrochloric acid, but poor resistance to aromatic solvents and petroleum base oils and fuels.