

Physical Properties on Mosites #30129 Nitrile

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #30129 Nitrile rubber compound, but they should not be used to set Quality Control Specification minimum requirements.

Hardness (Shore A).....	70
Tensile Strength (psi).....	2250
Elongation at Break (%).....	500%
Modulus at 100% Elongation (psi).....	350
Modulus at 300% Elongation (psi).....	950
Tear Strength (ppi).....	216
Specific Gravity.....	1.21
% Compression Set (22 Hours at 212 F).....	26%
Shelf Life (Stored at 40 to 70 ⁰ F).....	6 Months for uncured compound 5 Years for cured linings
Temperature Range	-65 ⁰ F to +250 ⁰ F
Classification.....	ASTM D-2000 BF715 Z

Mosites #30129 is a high strength Nitrile Rubber compound. It offers excellent resistance to petroleum oils and fuels, gasoline, alcohols, salt water, caustic soda solutions, animal fats and oils and mineral oil. It has fair resistance to organic acids and poor resistance to oxygenated solvents such as acetone and MEK.