

Physical Properties on Mosites #1796 EPDM Rubber

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #1796 EPDM rubber compound, but they should not be used to set Quality Control Specification minimum requirements.

Hardness (Shore A).....	78
Tensile Strength (psi).....	1918
Elongation at Break (%).....	392%
Modulus at 100% Elongation (psi).....	565
Modulus at 300% Elongation (psi).....	1678
Tear Strength (ppi).....	258
Specific Gravity.....	1.22
% Compression Set (22 Hours at 212 F).....	9%
Shelf Life (Stored at 40 to 70 ⁰ F).....	12 Months for uncured compound 5 Years for cured linings
Temperature Range	-75 ⁰ F to +300 ⁰ F
Classification.....	ASTM D-2000 CA715 Z

Mosites #1796 is an EPDM compound with excellent weather and ozone resistance. It offers excellent resistance to inorganic acids, alkalies, hydraulic fluid, glycol based engine coolants, chlorine solutions, ketones, methanol, salt water and salt solutions. It has poor resistance to aromatic solvents, petroleum base oils and fuels.