

Physical Properties on Mosites #1305 SEP (Silicone Ethylene Propylene) Rubber

The physical properties shown below were obtained on 0.080 inch thick molded ASTM samples. They are typical of Mosites #1305 SEP rubber compound, but they should not be used to set Quality Control Specification minimum requirements.

Hardness (Shore A).....	67
Tensile Strength (psi).....	2350
Elongation at Break (%).....	520%
Modulus at 100% Elongation (psi).....	420
Modulus at 300% Elongation (psi).....	1250
Tear Strength (ppi).....	215
Specific Gravity.....	1.19
% Compression Set (22 Hours at 250 F).....	23%
Shelf Life (Stored at 40 to 70 <sup>0</sup> F).....	12 Months for uncured compound 5 Years for cured linings
Temperature Range .....	-65 <sup>0</sup> F to +350 <sup>0</sup> F
Classification.....	ASTM D-2000 DA715 Z

Mosites #1305 is a SEP compound with excellent weather and ozone resistance. It offers excellent resistance to high temperature abrasive particles, hydraulic fluid, glycol based engine coolants, high pressure steam, salt water, caustic and salt solutions. It has poor resistance to aromatic solvents.