



Mosites Rubber Co. Inc.
PO Box 2115
Ft. Worth TX, 76113
Ph 817-335-3451
Fax 817-870-1564
E-mail: sales@mositesrubber.com

Mosites # 1453 Silicone

Mosites # 1453 is a 50 durometer, high strength silicone compound for use as a reusable vacuum blanket in forming composite aerospace articles. Uncured sheet is offered in widths up to 54 inches. Cured, however is available in standard widths up to 72 inches and custom fabricated vacuum blankets much larger, quoted upon request. The compound is used to fabricate contoured, inflatable pressure bladders and is extruded into various shaped profiles or rods for use as vacuum or high pressure sealing members. Mosites # 1453 possesses excellent retention of physical properties after exposure to high pressure and elevated temperatures encountered in autoclave cure cycles of composite manufacturing. The product has a service temperature range of -100° F to + 450° F.

The physical properties shown below were obtained on 0.080-inch thick molded ASTM samples. They are typical of Mosites # 1453, but should not be used to set Quality Control Specification minimum requirements.

Typical Physical Properties

Hardness (Shore A)	50
Tensile Strength (psi)	1400
Elongation (%)	650%
Modulus at 300% Elongation (psi)	600
Tear Strength (ppi)	250
Specific Gravity	1.15
Compression Set % (22 Hours @ 350° F)	21%
Color	Gray