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Mosites # 14116 Silicone

Mosites # 14116 is a 35 durometer, high strength, high elongation 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 on request. Mosites # 14116 possesses excellent retention of physical properties after exposure to the high pressures and elevated temperatures encountered in autoclave cure cycles of composite manufacturing. This product has a service temperature range of -100 deg. F to + 450 deg. F.

The physical properties shown below were obtained on 0.080-inch thick molded ASTM samples. They are typical of Mosites # 14116, but should not be used to set Quality Control Specification minimum requirements.

Typical Physical Properties

Hardness (Shore A)	35
Tensile Strength (psi)	1300
Elongation (%)	900%
Modulus at 300% Elongation (psi)	290
Tear Strength (ppi)	207
Specific Gravity	1.1
Compression Set % (22 Hours @ 350° F)	17%
Color	Gray

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All prices are U.S. dollars