

Mosites I4248 High Strength Silicone Rubber

- Mosites I4248 is a high strength silicone compound, that has been developed for use as a vacuum membrane in composite fabrication applications, where high strength and resistance to high temperatures, pressures and aggressive volatile attack is required over long periods
- Available in cured and uncured roll form, in a range of standard thicknesses and in widths up to 1.37m
- Aerovac is able to fabricate very wide width membranes, utilising either butt joint or seamless joint technology
- Excellent resistance to compression set and has been used to manufacture shaped, inflatable pressure bags for applications requiring critical dimensional stability
- A service temperature range of over 230°C
- The physical properties shown below were obtained on moulded 2mm thick ASTM samples. They are typical of I4248, but they should not be used to set Quality Control Specification minimum requirements

PHYSICAL PROPERTIES

• Hardness	51 shore A
• Tensile Strength	1660 psi
• Elongation at Break	630%
• Modulus at 300% Elongation	600 psi
• Tear Strength	295 ppi
• Specific Gravity	1.17
• Compression Set	15% (22 Hours at 176°C)
• Colour	Maroon

AVAILABILITY & PACKAGING

• Thickness	0.76mm, 1.52mm, 2.16mm & 3.18mm
• Standard width	1.37m
	Cut pieces and wider, jointed pieces are available on request

STORAGE & HANDLING

- Store cured rubber in protective packaging away from sharp objects
- For optimum life, uncured rubber should be kept refrigerated when not in use
- For advice on handling and the ideal curing conditions for uncured rubbers, please contact our technical department

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