

Mosites I495 High Strength Silicone Rubber

- Mosites I495 is a high strength, translucent 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
- Excellent elongation characteristics, which combined with its low modulus values make it an ideal material for deep draw vacuum applications
- 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
- Service temperature range of over 200°C
- The physical properties shown below were obtained on moulded 2mm thick ASTM samples. They are typical of I495 but they should not be used to set Quality Control Specification minimum values

PHYSICAL PROPERTIES

• Hardness	48 shore A
• Tensile Strength	1178 psi
• Elongation at Break	800%
• Modulus at 300% Elongation	419 psi
• Tear Strength	230 ppi
• Specific Gravity	1.13
• Compression Set	49%
	(22 Hours at 176°C)
• Colour	Translucent

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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