

1453D

High strength silicone rubber
Ideally suited to aerospace applications

Features

- Very high quality, high strength, aerospace grade silicone rubber compound.
- Developed for use as a vacuum membrane in advanced composite fabrication applications, where high strength and resistance to elevated temperatures, pressures and aggressive volatile attack, is required over long periods.
- Available in cured or uncured roll format. Cytec is able to fabricate very wide membranes, using either butt joint or vulcanized seamless joint technology.
- Good resistance to compression set. Has been used to manufacture shapes, inflatable pressure bags, for applications requiring critical dimensional stability.

Properties

Maximum use temperature	232°C	450°F
Colour	Grey	
Tensile strength	1400psi	
Hardness (Shore A)	50	
Elongation at break	650%	
Modulus at 300% elongation	600psi	
Tear strength	250ppi	
Specific gravity	1.15	
Compression set	21% (22 hours at 176°C/349°F)	

Availability

Thickness	Up to 6.35mm		Up to 0.25in
Width	Uncured	137cm	53.9in
	Cured	182cm	71.7in

Cut pieces and wider, jointed pieces are available to order.

Storage

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 us.

Health & safety

Handling of these products must conform to individual company guidelines and health and safety regulations.

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