



MATERIAL SPECIFICATION SHEET : Viton FOAM

Viton Sponge is a closed cell formulation that is manufactured with a continuous skin on both sides. The skin makes the sheet stronger and more tear resistant and even when the surface skin is punctured or cut, the sheets will not allow the passage of air or fluid between cells. The non-absorbent sheets are highly compressible, resilient, lightweight and provide good thermal insulation.

Like solid Viton, Viton Sponge is generally resistant to aliphatic and aromatic hydrocarbons, oil, fuels, ozone and weather, lubricants and animal or vegetable oils. It is also resistant to acids and hot water.

Viton Sponge sheets have a service temperature of -25°C to 204°C ; however, elevated temperatures while under compression will have an adverse effect on the resilience of this material.

TYPICAL PHYSICAL PROPERTIES

Thickness	1/8" (3.18mm)	1/4" (6.35mm)	3/8" (9.53mm)	1/2" (12.7mm)	3/4" (19.05mm)
Water Pick-Up (% Weight Increase)	0.00%	0.02%	0.06%	0.01%	0.01%
Compression Set					
(22 hours at 24°C)	27%	13%	14%	17%	17%
(22 hours at 70°C)	100%	100%	100%	100%	100%

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Low Temperature Brittleness (°C)	-25°C	-25°C	-25°C	-25°C	-25°C
Compression Deflection (psi)					
(25% Deflection – original)	6.5	5.5	4.0	3.5	3.5
(25% Deflection – 7 days @ 204°C)	9.0	7.5	6.0	5.0	5.0
Density – lbs per cubic foot	19	17	15	10	10
Thickness Tolerance (ins.)	+0.050/-0.030	+0.060/-0.060	+0.080/-0.080	+0.125/-0.125	+0.125/-0.125

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