

# J-FLEX MATERIAL DATA SHEET

## J-FLEX VITON® SPONGE



J-Flex 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 dense Viton, J-Flex 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.

J-Flex 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%
<b>Compression Set</b>					
(22 hours at 24°C)	27%	13%	14%	17%	17%
(22 hours at 70°C)	100%	100%	100%	100%	100%
Low Temperature Brittleness (°C)	-25°C	-25°C	-25°C	-25°C	-25°C
<b>Compression Deflection (psi)</b>					
(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 (inches)	+0.050/-0.030	+0.060/-0.060	+0.080/-0.080	+0.125/-0.125	+0.125/-0.125

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J-Flex are approved DuPont Viton® licensees - duly authorised to market and distribute 100% Genuine Viton® Sheeting Products.

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**J-FLEX RUBBER PRODUCTS**  
Engineering Rubber Components & Specialised Sheeting Products

Units 1 & 2, London Road Business Park, Retford,  
Nottinghamshire, DN22 6HG, United Kingdom

tel: +44 (0) 1777 712 400 fax: +44 (0) 1777 712 409  
www.j-flex.co.uk

