



# Technical Datasheet

## Compound: VGD16

Version:

3

Date of Last Alteration:

29/04/19

### Overview:

Silicone rubber can be expanded into silicone sponge by using blowing agents. The resulting sponge has a fine non-interconnecting cell structure encapsulated by a soft, smooth, outer skin. Silicone sponge is an excellent sealing medium, due to its stable chemical structure and good recovery.

### General Properties:

- Minimal water absorption (IP65-66 achievable)
- Resistance to ultraviolet light and corona is good
- Resistance to arcing and ozone is good
- Oxidation is virtually non-existent
- Excellent for vibration damping and cushioning components
- Generally resistant to moderate or oxidising chemicals
- Excellent heat insulation

Property	Value
Density (lb/ft <sup>3</sup> )	16 ± 4
Density (kg/m <sup>3</sup> )	250 ± 60
Elongation at Break (%)	225
Compression Set (%)	15
Force at Break (N)	65
Max Temperature (°C)	200
Min Temperature (°C)	-60
Toxicity NES 711 Iss. 3	1.4
Smoke Index NEX 711 Iss. 2	46
Burn Rate BS4735: 1974	0.03mms <sup>-1</sup>
Thermal Conductivity	0.0695 W(m.k.)

\*These figures are intended as a guide and should not be used in preparing specifications.

\*\*Size tolerance to ISO 3302-1: 2014

### Colour:

The standard colour of silicone sponge is off-white, but it can be supplied in a variety of colours on request, subject to minimum order.

### RoHS Compliance:

We certify that our silicone sponge is RoHS compliant, and does not contain Lead, Mercury, Hexavalent Chromium, Cadmium, Polybrominated Biphenyls or Polybrominated Diphenyl Ethers

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