



Technical Datasheet

Compound: VGD24

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 ³) | 24 ± 4 |
| Density (kg/m ³) | 400 ± 60 |
| Elongation at Break (%) | 215 |
| Compression Set (%) | 15 |
| Force at Break (N) | 110 |
| Max Temperature (°C) | 200-225 |
| Min Temperature (°C) | -60 |
| Toxicity NES 711 Iss. 3 | N/A |
| Smoke Index NEX 711 Iss. 2 | N/A |
| Burn Rate BS4735: 1974 | N/A |
| Thermal Conductivity | N/A |

*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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