



Technical Datasheet

Compound: VGD16-33HT

Version: 1
Date of Last Alteration: 17/04/19

Colour: The standard colour of HT silicone sponge is Dark Grey, but it can be supplied in a variety of colours on request, subject to minimum order.

Food applications: Silicone sponge can be used in applications where it will not come into direct contact with foodstuffs. Thus, it can be used as seals on food containers, food processing ovens, refrigeration seals and food handling equipment. However, we do not recommend that it be used in applications where it will be in direct contact with foodstuffs.

Features:

- 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 dampening and cushioning components
- Generally resistant to moderate or oxidising chemicals
- Excellent heat insulation

Property	VGD16HT	VGD24HT	VGD33HT
Density (lb/ft ³)	16 ± 4	24 ± 4	33 ± 4
Density (kg/m ³)	250 ± 60	400 ± 60	550 ± 60
Elongation at Break (%)	225	215	245
Compression Set (%)	15	15	10
Force at Break (N)	65	110	160
Max Temperature (°C)	270	270	270
Min Temperature (°C)	-60	-60	-60
Toxicity NES 711 Iss. 2	1.4	N/A	N/A
Smoke Index NES 711 Iss. 2	46	N/A	N/A
Burn Rate BS473: 1974	0.03mm p/sec	N/A	N/A
Thermal Conductivity	0.0695 W(m.k)	N/A	N/A

RoHS Compliance and Chemical Composition: We certify that our silicone sponge is RoHS compliant, and does not contain Lead, Mercury, Hexivalent Chromium, Cadmium, Polybrominated Biphenyls or Polybrominated Diphenyl Ethers. Compared with other elastomers, silicone rubber requires few additives because the essential properties are determined by the siloxane polymer used. A processed finished SFS Silicone sponge compound consists only of polymer and filler. Particularly notable is the fact that silicone rubber is free of curing accelerators or retarders, organic plasticizers, and organic antioxidants. SFS Silicone Sponge is also 100% Sulphur Free

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