

SILICONE SPONGE

A general silicone sponge having very good mechanical properties. Special features include extreme heat stability inside extended temperature range. Low density grade.

Properties	VGD10 (Soft)	VGD16 (Medium)	VGD24 (Firm)	VGD33 Extra Firm)	Test
Density (Imperial)	10lbs/ft ³	16lbs/ ft ³	24lbs/ ft ³	33lbs/ ft ³	BS EN ISO 845
Density (Metric)	160Kgs/m ³	255Kgs/m ³	390Kgs/m ³	530Kgs/m ³	BS EN ISO 845
Density (Metric)	0.16g/cm ³	0.25g/cm ³	0.39g/cm ³	0.53g/cm ³	BS EN ISO 845
Hardness Shore00	35 (±5)	47 (±5)	68 (±5)	83 (±5)	ASTM D2240
Hardness Shore A	<5	6 (±3)	18 (±4)	32 (±10)	ASTM D2240
Temp Max					
Continuous	200 Deg C	200 Deg C	200 Deg C	225 Deg C	
Intermittent	200 Deg C	200 Deg C	225 Deg C	250 Deg C	
Compression set 50% compression 22hrs 70 deg C	15%	15%	15%	10%	EN ISO 1856
Tensile Strength (Mpa) 10mm thk	0.5	0.65	1.05	1.60	BS 4443
Elongation at break	200%	215%	225%	245%	BS ISO 37
Toxicity NES 713	14	14	14	14	NES 711 Iss 3
Smoke Index	46	46	46	46	NES 711 Iss 2
Burn Rate	0.03mm/s	0.03mm/s	0.03mm/s	0.03mm/s	BS4535:1974
Thermal Conductivity	0.695 W/m.K	0.695 W/m.K	0.695 W/m.K	0.695 W/m.k	

Compression set and density may vary depending on product size and thickness

Hardness (Shore A) data is provided as an approximate indication , due to testing limitations