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## GRADE: SILICONE SPONGE: SS16, SS24, SS33

### General Properties:

Resistant to ultra-violet light, corona, arcing and ozone.  
Excellent for vibration damping and for protecting and cushioning components.  
Excellent chemical resistance (but not suitable for use with many solvents, oils or concentrated acids).  
Low degree of moisture absorption, therefore mechanical properties show little change, even after prolonged periods of immersion.  
Thermal conductivity: mean average after test = 0.0695 w/(m.k)  
Not recommended for long term service where steam pressure exceeds 50 psi  
Temperature tolerance from - 60°C to + 200°C

PROPERTIES	TEST	SS16	SS24	SS33
Apparent Density	cu.ft	16lbs	24lbs	33lb
	cc	0.25gms	0.4gms	0.55gms
Compression Set	%	15 max	20 max	8 max
Compression Loading	N/mm <sup>2</sup>	0.049	0.093	0.233
Tensile Strength (1Mpa = 145 psi)	Mpa 3mm	1.58	1.59	2.5
	Mpa 6.4mm	1.03	1.25	2.25
	Mpa 10mm	0.64	0.84	1.66
Elongation @ Break	3mm	220	220	245
	6.4mm	180	195	235
	10mm	145	175	205

Figures given above are for guidance only and should not be used in preparing specifications.

E & O.E.

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