

Food Grade Sponge

FGS20 and FGS40 are food grade silicone sponge developed for seals and dampening on food production lines.

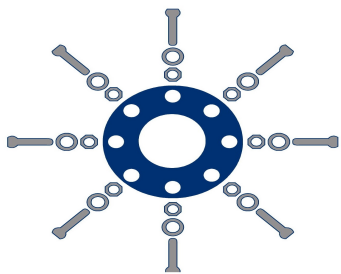
The FGS series from William Johnston & Co Ltd is resistant to ultra-violet light, corona, arcing and ozone. It is excellent for vibration damping and for protecting and cushioning components. The materials exhibit a low degree of moisture absorption, therefore mechanical properties show little change, even after prolonged periods of immersion.

These grades can be pigmented to pale pastel shades

From the FGS materials we can manufacture cord, strips, and very simple profiles.

Physical Properties Test/Info	FGS20 Medium	FGS40 Firm
Density	455Kg/m ³ (±75)	540Kg/m ³ (±75)
	28lbs/ft ³ (±5)	34lbs/ft ³ (±5)
Shore A	25	30
Compression Set (22 hrs @ 100°C)	<50%	<50%
Tensile Strength ASM D412 C	1.5Mpa	1.5Mpa
Temperature Range	-60°C to +200°C	-60°C to +200°C
Low Temperature Brittleness at -55°C ASTM D746-98	No Cracks	No Cracks
Elongation @ Break ASTM D412 C	295%	310%
Tear Strength ASTM D624 B	5 kN/m	5 kN/m

Meets FDA § 177.2600 & BfR XV Silicones regulations and EC 1935 2004.



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Density and Compression Set will vary with thickness and shape. Please note that these materials are not recommended for long term service where steam pressure exceeds 50 psi. Shore A data is provided as an approximate indication only due to the limitations of testing. Figures given above are for guidance only and should not be used in preparing specifications.

E & O.E.

Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.