

VGD201F

FDA Approved Silicone Sponge

General Information

VGD201F is a **fully FDA approved**, platinum cured, silicone sponge. It is closed cell and has a medium density, designed for multipurpose applications in the food & beverage and pharmaceutical industries. VGD201F is also **BfR approved** and in addition to its food safe properties, has an **ultra-low compression set <1%**, **excellent thermal resistance from -50°C to +200°C** and **flame retardance**. **Meets FDA CFR21.177.2600**

Full FDA?

VGD201F fully conforms to all FDA regulations for rubber articles intended for repeated use set out in FDA 21 CFR 177.2600. All materials used in the manufacture of this product are approved and listed in FDA 21 CFR 177.2600 sections a-c.

Sizes

Standard profiles available from 2mm to 75mm. Bespoke profiles may differ depending on shape.

Options

Available as sections, cord, tubes, bespoke profiles, O-rings

Applications

VGD201F is perfectly suited to many applications within but not limited to the food & beverage and pharmaceutical industries, including sealing, gaskets and high temperature applications demanding a soft compressible material with excellent compression set.

Material Properties

Property	Value	Test
Appearance	White or Blue	-
Density	400 kg/m ³ (±50)	ASTM D1056
Compression force deflection @ 25% strain	50 kPa	ASTM D1056
@40 % strain	120 kPa	BSENISO 3386 part 1, 2
Compression set @ 100°C, 22 hrs	<1%	ASTM D1056
Compression set @ 200°C, 22 hrs	10%	ASTM D1056
Temperature range	-50°C min +200°C max	
Flammability	Capable of passing UL94-V0 down to 3mm	

All testing undertaken on a 12.7mm (1/2 inch thick sample. Samples post cured for 4 hours at 200°C. Compression set and density may vary depending on product size and thickness. Size tolerance to ISO 3302-1: 2014. Please note our information is based on lab tested samples

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