

Specification Sheet / 01

A336 FDA Approved Silicone Sponge Rubber



Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

General

The cellular profiles are generally used in static applications such as gaskets. Material should not be compressed by more than 50% of its original thickness, as the cells may break under such compression. The maximum compression recommended is 30% of initial thickness.

Features

Platinum cured
Non-toxic blowing agent
No unpleasant odour
Uniform and stable small cell distribution
Easily pigmentable
Foodgrade

FDA Information

United States FDA Regulations:

21 CFR Section 175.300: "Resinous and polymeric coatings".

21 CFR Section 177.2600: "Rubber articles intended for repeated use".

European Union Food Regulations:

This product can be used in compliance with German BfR Recommendation XV on Silicone for food contact (BfR-Empfehlungen XV zu Silicone).

Applications

The inherent flexibility of the product coupled with its excellent properties means that it can be used in a range of applications across wide market offerings such as:

- High and low temperature gaskets and seals
- Thermal insulation for both hot and cold applications
- Weather seals in external environments
- Food sensitive/food processing

Availability

SIL 15 FDA is produced in white as standard but other colours are also available

As with all of our other current products, adhesive backing is available

Gaskets and joined rings can also be provided in FDA grade to your requirements

Test	Test Method	Result
Properties obtained on 25.4mm round extruded profiles, hot air vulcanized (HAV) 10 minutes at 240°C (482°F). Post-cured for 4 hours at 200°C (392°F).		
Temperature	Range	-55°C to 200°C
Density (Imperial)	ASTM D792	23.1lbs/ft³
Density (Metric)	ASTM D792	370kg/m³
Resilience (%)	ASTM D2632	52
Specific Gravity	ASTM D792	0.37
Compression set 22hrs at 150°C (%) - 25% deflection, 0.5 hr rest	ASTM D395	16.24
Compression set 22hrs at 150°C (%) - 50% deflection, 24 hrs rest	ASTM D395	13.1
Compression set 22hrs at 100°C (%) - 50% deflection, 24 hrs rest	ASTM D395	5.56
Compression deflection 25%, psi (kPa)	ASTM D1056	4 (27.6)

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Specification Sheet / 02

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Compression deflection 50%, psi (kPa)	ASTM D1056	13 (89.6)
Low temperature brittleness, 3 minutes at -55°C	ASTM D74	No cracks

Change Control Date	Change
10/09/2018	Created



The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

