

Technical Data Sheet

Silicone Rubber Sponge FDA-Compliant



Material

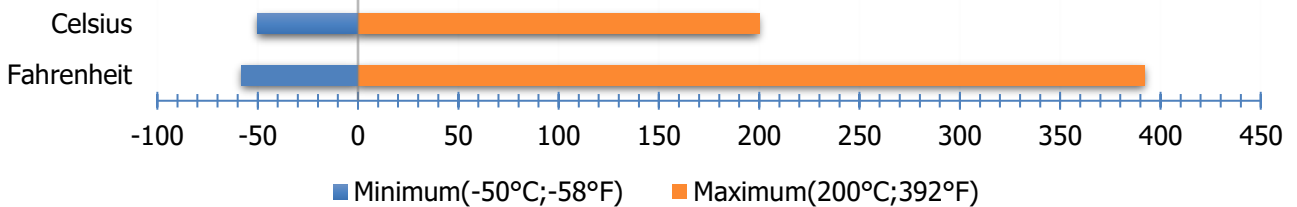
Mainly closed cell Silicone
Sponge



Available Grades

Sponge FDA 600

Temperature Range



General Information

Our Sponge FDA 600 range is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177.260.

The sponge is predominately closed cell with low water absorption and dust ingress protection up to IP65.

Environmental Resistance

Silicone rubber products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet light
- Corona discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

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SILEX LTD

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Availability Format

- Extruded only, for Sheeting see SIL20FDA
- Cord, section, strip, profiles
 - Pressure sensitive adhesive backing
 - Joined rings and gaskets

Typical Applications

- Food sensitive and Food Processing
- Medical and Pharmaceutical

Mechanical Properties

Extrusions		Sponge FDA 600	
Property	Units	Typical Value	Test Method
Density *	kg.m ³	600 ± 100	DIN EN ISO 1183-1 A
Colour		white	
Tensile Strength		good	
Elongation at break		good	

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General Characteristics

Test	Result	Standard
Brittle Point	-80°C (-112 °F)	ASTM D746
Limiting Oxygen Index	24.0 %	BS 2782 Part 1
Thermal Conductivity	6.1x10 ⁻² W.m ⁻¹ .K ⁻¹	BS 874 Part 2
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	

Accreditations

- American Food and Drugs Administration (FDA) 21 § 177.2600

Additional Information

- Platinum cured
- Well finished edges
- Smooth and dry surface

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