

Technical Data Sheet

Fluorosilicone Sponge



Material

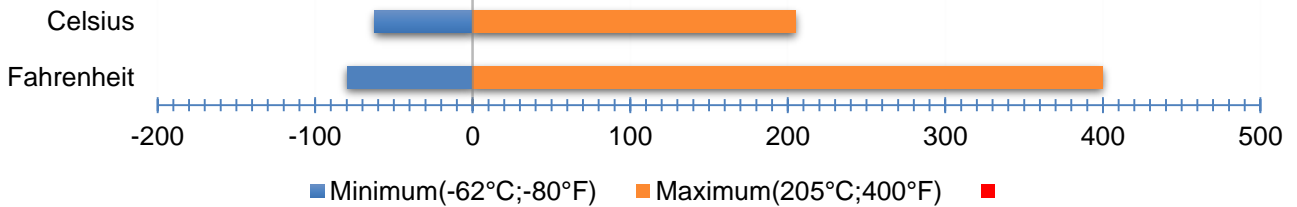
Sil X 700 FFF



Available Grades

SIL X 700 FFF

Temperature Range



General Information

SILEX Sil – X – 700 FFF silicone sponge rubber medium silicone sponge rubber is a fluorosilicone closed-cell sponge that can be used in most gasketing applications. This material is flexible and compressible and designed for use in extreme temperature ranges, with excellent weatherability, compression set resistance, electrical strength and non-stick properties. SIL-X-700 is often the material of choice for applications containing oils and fluids that would degrade normal elastomers..

Accreditations

- Capable of meeting AMS 3323 class 2
- Capable of meeting MIL-R-6130 Type II, Grade B and Grade C/ASTM D6576 Type 2, Grade A, B and Grade C (excluding paragraph 4.5.7 flame resistance)
- Capable of meeting ASTM D6576 Type II Grade A, B and C (excluding paragraph 4.5.7 flame resistance)

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for their intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice. Issue date 01.01.2019.

SILEX SILICONES LTD

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Mechanical Properties

Property	Typical Value	Test Method
Compression Deflection psi (kPa)	15 (104)	ASTM D1056
Elongation %	125 %	ASTM D412
Tensile Strength PSI (kPa)	180 (1245)	ASTM D412
Compression Set %	25%	ASTM D1056
Density lbs./ft.3 (kg/m3)	35 (554)	ASTM D3574
Water absorption %	<5%	ASTM D471
Operating Temperature Range °F (C°)	-80° F to +400° F	(-62° C to +205°C)

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Availability Format

- Widths of 914mm * 914mm as standard

Typical Applications

- Military aircraft
- Downhole drilling oil
- Missiles

Options

- Acrylic or silicone pressure-sensitive adhesive (PSA) available in sheet format only.

Important Instructions

- Because Silex cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.
- When using PSA option, surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface.
- Do not remove liner until tape is in proper position.
- Avoid touching surface before application.
- Recommended service temperature of base sponge is -80°F to 400°F (-62°C to 204°C).

Shelf Life

- Life 10 years after the date of manufacture when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity (see applicable data sheets for pressure-sensitive adhesive option).

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