

VTCD600SH

Thermally Conductive Silicone Sponge Sheet

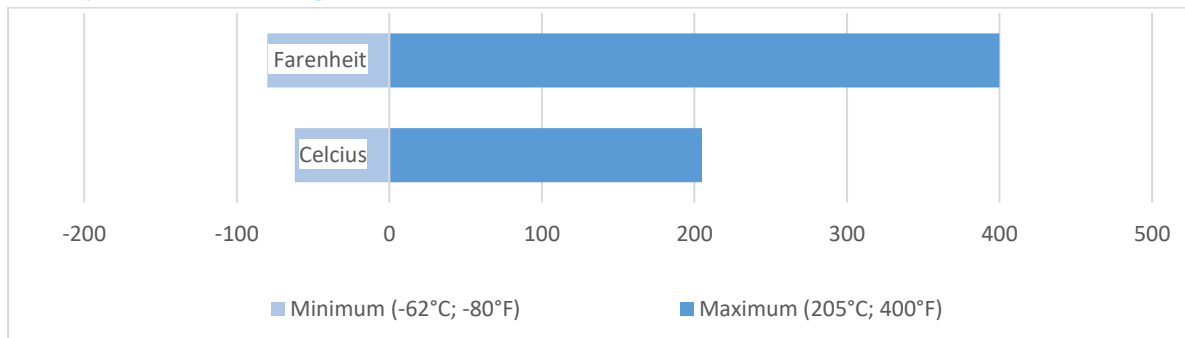
Material

Predominantly closed cell thermally conductive silicone sponge sheet

Available Grades

VTCD600SH

Temperature Range



General Information

VTCD600SH series is a thermally conductive closed-cell silicone sponge rubber. This material offers thermal conductivity, electrical isolation and compression set resistance (vibration absorption). VTCD600SH is the superior choice for battery pack gap filling, optimizing the efficiency and extending the service life of the individual battery cells. Its unique features make it an ideal gap filler for vibration-sensitive heat transfer application.

Features

- REACH and RoHS compliant
- Silicone based, for long life and temperature stability
- Thermally conductive
- Conforms to irregular (cylindrical and other) surfaces
- Closed-cell sponge structure provides compression set resistance, critical for vibration control
- Meets FDA 21 CFR 177.2600

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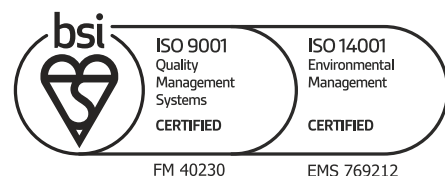
Viking Extrusions Ltd – Ivy Arch Road, Worthing, West Sussex, BN14 8BX, UK

Company Number: 2634482UK

VAT Number: GB587651394

Registered in England & Wales

REV 01 – Last Updated: 20/06/24



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Environmental Resistance

Silicone Rubber Products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet Light
- Corona Discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

Typical Applications

- Lithium ion battery pack for electric vehicles
- Electrical insulation
- Computers
- Military
- Press pads
- Telecommunications
- Vibration mounts
- Decal transfer

Material Properties

Property	Units	Typical Value	Test Method
Density	Kg/m ³ (lb/ft ³)	1105 (69)	ASTM D297
Compression Deflection 25% Compression	kPa (PSI)	152 (18)	ASTM D1056
Compression Set	% typical	15	ASTM D1056
Tensile Strength	kPa (PSI)	828 (120)	ASTM D412
Dielectric Strength	Volts/mil	100	ASTM D149
Elongation	%	150	ASTM D412

These figures are only intended as a guide and should not be used in preparing specifications.

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