kSil®

Silicone Sponge Sheeting

RS720

Silicone Engineering Ltd

RS720 is a closed cell, silicone sponge supplied in continuous rolls or sheets.

Formulated for temperature and environmental resistance

RS720 is commonly used for die-cut gaskets, and flexible sealing solutions.

BENEFITS

Temperature range
-55°C to 205°C
(-67°F to 401°F)

Environmental resistance
Ozone, UV and weather resistant

Flame retardant
UL94HB

Long life service
vs other elastomers

AVAILABILTY

Rolls and Sheets

Widths up to 1m (39")

Pressure Sensitive Adhesive (PSA)

Colour: Grey

ACCREDITATIONS

UL94HB
UL94 Horizontal Burn (Not Listed)

FMVSS 302
Federal Motor Vehicle Safety Standard

Silicone Engineering Ltd

kSil®

Silicone Sponge Sheeting

RS720

Silicone Engineering Ltd

MECHANICAL PROPERTIES

Property	Typical Value*		Test Method
Density	280 (17.5)		ASTM D3574
Thickness, mm (in)	2.4 (0.094)	3.2 - 12.7 (0.125 - 0.500)	
Compression Force Deflection, kPa (psi)	34.5 - 82.7 (5 - 12)	31 - 62 (4.5 - 9)	ASTM D1056
Compression Set 22 hours @ 100°C (212°F), %	< 15		ASTM D1056
Water Absorption, %	< 3		ASTM D1056
Tensile Strength, MPa (psi)	0.52 (75)		ASTM D412
Elongation to Failure, %	175		ASTM D412
Temperature Resistance	205°C (401°F)		
Low Temperature Brittleness	-55°C (-67°F)		ASTM D746
Flammability Pass >= mm (inch)	2.4 (0.094)		FMVSS 302
Water Sealing Properties	No Leakage		Water pressure: 10.3 kPa (1.5 psi) Gasket width: 6.34 mm (0.250") Compression: 30% Gasket thickness: 3.175 mm (0.125")
Colour	Grey		Visual
Thermal Conductivity w/m K (BTU in hr/ft²/F)	0.07 (0.48)		ASTM C 518
UL Certification	UL50, UL50E, UL508 & UL157		Gaskets & Seals JMLU2

*Typical values are a representation of an average property value of a given population of a product
All imperial conversions are approximate.
Typical properties are based on 6.35mm (0.250") sample.

Tolerances, mm (in)	
2.4 - 6.35 (0.094 - 0.250)	No Leakage
9.53 (0.375)	+1.14 (+0.045)
12.7 (0.500)	+1.49 (+0.059)

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 right 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 the 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.