

## FEATURES

- White silicone sponge rubber sheets
- Length of 1 m
- Width of 600 mm
- Thickness of 1.5 mm
- Density of 0.25g/cm<sup>3</sup>
- Closed-cell structure, providing excellent thermal insulation and waterproofing
- Shore A Hardness Scale rating of 13
- Resistant to UV and ozone
- Minimum operating temperature range of -60°C
- Maximum operating temperature of +200°C

# RS PRO White Rubber Sponge Sheet, 1m x 600mm x 1.5mm

RS Stock No.: 733-6725



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

This white silicone sponge rubber sheet is ideally suited for packing and insulating, as it's soft, easy to cut, and provides a tight, secure fit.

This rubber sheet features a closed-cell structure to both liquids and gases from passing through, making an air-tight and watertight seal. Additionally, it has good UV and ozone resistance, and can withstand extreme temperatures, ranging from -60°C to +200°C. This makes it suitable for use in harsh and volatile environments. The silicone rubber sheet reduces both vibration and noise, so it's an effective soundproofing layer, and it returns to its original shape after compression, so it's durable and malleable.

## General Specifications

<b>Colour</b>	White
<b>Adhesive Backing</b>	Yes
<b>Material</b>	Silicone
<b>Suitability</b>	Cold Water, Ethylene Glycol, Hot Water
<b>Application</b>	Automotive, Construction, Electronics, Energy

## Electrical Specifications

<b>Dielectric Strength</b>	23kV.mm <sup>-1</sup>
<b>Dielectric Constant</b>	2.9
<b>Dissipation Factor At 50c/s</b>	3x10 <sup>-1</sup>
<b>Volume Resistivity</b>	3x10 <sup>15</sup> Ocm

## Mechanical Specifications

<b>Length</b>	1m
<b>Thickness</b>	1.5mm
<b>Width</b>	600mm
<b>Density</b>	0.25g/cm <sup>3</sup>
<b>Elongation</b>	100% to 200%
<b>Hardness</b>	11 +/-4, 13
<b>Tensile Strength</b>	1.2Nmm <sup>-2</sup> Minimum
<b>Limiting Oxygen Index</b>	24.00%
<b>Thermal Conductivity</b>	0.24W.m <sup>-1</sup> .k <sup>-1</sup>
<b>Radiation Resistance</b>	>10 <sup>5</sup> Grays (107 Rads) Typical
<b>Compression Stress At 40% Strain</b>	90kPa
<b>Compression Set 22Hours At 70°C</b>	10%

## Operation Environment Specifications

<b>Maximum Operating Temperature</b>	+200°C
<b>Minimum Operating Temperature</b>	-60°C
<b>Brittle Point</b>	-80°C (-112°F)

## Approvals

<b>Compliance/Certifications</b>	ASTM D746, BS2872, VDE 0304, VDE 0303, RoHS Compliant
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