

## FEATURES

- White silicone sponge rubber sheets
- Length of 1 m
- Width of 600 mm
- Thickness of 3 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 3mm

RS Stock No.: 733-6729



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

If you need tight, secure packing or soft and durable insulation, this RS PRO white rubber sponge sheet is easily cut into any shape.

The silicone rubber sheet creates an air- and watertight seal, because its closed-cell structure prevents liquids and gases from passing through. It also boasts UV and ozone resistance and retains its properties in a range of temperatures from -60°C to +200°C. That makes it suitable for a variety of harsh environments. The rubber sheet also has a low compression rate, returning to its original shape after pressing or deforming. In addition, it's a useful soundproofing layer, as it reduces vibration and noise.

## 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>                        | 3mm                                       |
| <b>Width</b>                            | 600mm                                     |
| <b>Density</b>                          | 0.25g/cm <sup>3</sup>                     |
| <b>Elongation</b>                       | 100% to 200%                              |
| <b>Hardness</b>                         | 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 |
|----------------------------------|---|

