



## R606 Silicone Sponge

PROPERTIES	AVERAGE VALUE
Density (BS EN ISO 845/ASTM D3575)	256Kg/m <sup>3</sup>
Hardness (ASTM D2240)	42 Shore OO
Compression Stress 40% strain (BS EN ISO 3386 Pt 1, 2)	90 KPa
Compression Stress 25% strain (ASTM D1056)	6.4 Psi
Elongation to Failure (BS EN ISO 1798 ASTM D412)	145%
Compression Set 50% compression 24 hours recovery 22 hours @ 70°C (BE EN ISO 1856)	12%
22 hours @ 70°C (ASTM D1056)	14.5%
Water Absorption (ASTM D1056)	3%
Temperature Range	-60 to +230 °C

### Please Note:

The figures present on this specification sheet are average values.  
We recommend and will support evaluation prior to use to ascertain the suitability of the material for the application.

### Material Properties:

- Excellent Temperature range
- Excellent Sealing properties (air, dust and water migration)
- Excellent Material property range
- Good NVH Solution

Silicone Sponge has excellent thermal properties, with its combination of a fine cellular structure encased within a smooth closed cell outer skin. The cell structure provides fire resistance even against a naked flame. Additionally, silicone sponge produce a greatly reduced amount of smoke and carry a low toxicity rating.

 **UK Industry Leader**  
Of cellular solutions

 **Global Accreditation**  
TS16949 & ISO14001

 **Experience of**  
Over 50 years

## Products & Services

Ramsay are a manufacturer of **die-cut** and **thermoformed** parts in technical high performance lightweight sponge, foams and fabrics. For sealing, NVH, thermal and acoustic applications to OEMs across industry and the world.

Die Cut Gaskets

Adhesive Tapes

Thermoforming

Fabrication & Assembly

From the moment your enquiry is received, Ramsay will offer technical support. Advising the best product and high performance material solution that suits your application and assembly process requirements.



## Quality Assured

Ramsay are one of a few UK manufacturers with **TS16949, ISO9001 & IS14001** accreditations. All of our materials are registered in accordance with **IMDS** and are **ROSHH/REACH** compliant.

Our products are supplied in a condition of supply that complement our customer's process/assembly requirements, with product development and technical support from our project management team with full **APQP, FMEA** planning and **PPAP** approval.

We see our customers as partners, working together with a collaborative approach to ensure we continually improve our quality and overall service. We support our customers with further product development, on-site technical support and **VAVE** analysis/activity, enhancing customer competitiveness.

### Get in Touch

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