



R212 Firm Neoprene Sponge

PROPERTIES	AVERAGE VALUE
ASTM D1056 (2000)	2 C2
DENSITY	160 - 180 kg m3
COMPRESSION DEFLECTION 25% (35-63)	> 65 kpa
COMPRESSION DEFLECTION 50% (80-160)	N/A
SHORE HARDNESS 00 SCALE	55 – 70 Shore
ELONGATION - MINIMUM	> 120 %
TEMPERATURE RANGE (CONSTANT)	- 40°C / + 80°C
TEMPERATURE RANGE (INTERMITTENT)	+ 100°C
WATER ABSORPTION	< 5 % Vol
TENSILE STRENGTH	> 600 kpa
FLAME RESISTANCE	Self-Extinguishing
ENVIRONMENTAL PROTECTION	CFC & HCFC Free

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

- Good sealing properties (air, dust and water migration)
- Excellent chemical and oil resistance
- Flexible and good recovery
- UL94 Approved

Neoprene sponge can be used across a wide range of applications and is mainly used to act as a water tight seal that is in contact with oil and petro-chemicals. Neoprene is extremely oil and chemical resistant and provides a superior seal compared to a lot of other closed cell materials. Neoprene also does not physically degrade at high or low temperatures, it hardens ensuring that the seal is still water tight under compression.

 **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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