



# R211 FR

## Neoprene Sponge

PROPERTIES	AVERAGE VALUE
DENSITY	170 – 190 kg m3
COMPRESSION DEFLECTION 25%	50 kpa
COMPRESSION DEFLECTION 50%	N/A
COMPRESSION SET 50% / 22H	15 – 20%
SHORE HARDNESS 00 SCALE	40 - 50 Shore
ELONGATION	200 %
TEMPERATURE RANGE (CONSTANT)	- 40°C / + 80°C
TEMPERATURE RANGE (INTERMITTENT)	+ 100°C
WATER ABSORPTION	< 5 % Vol
TENSILE STRENGTH	> 500 kpa
FIRE RESISTANCE	Self-Extinguishing FMVSS 302 UL94 HF-1
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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