



# R230/4 EPDM Sponge

PROPERTIES	AVERAGE VALUE
ASTM D1056 - 00	2A2
Density	120 - 160 Kg m <sup>3</sup>
Compression Deflection 25% (35-63)	35 - 60 kPa
Compression Set 50% 22/h 20°C (25% Max.)	15 - 35 %
Elongation – ASTM D412	150 - 200%
Temperature Range (Constant)	- 30°C / + 80°C
Water Absorption	1 – 2%
Tensile Strength (kPa) – ASTM D412	530 - 600
Fire Resistance – FMVSS 302 (Burn Rate <100mm)	Pass @ >3mm

#### 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)
- Outstanding aging
- Flexible and good recovery
- Excellent UV & Ozone resistance

EPDM sponge is generally used in a variety industry applications, like Neoprene EPDM provides a watertight seal but it isn't as effective as Neoprene when it comes to oil and chemical exposure. EPDM is excellent at weatherproofing due to its resistance to ageing, UV, ozone and oxidation; it also provides excellent thermal conductive and NVH solutions.

 **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

Ramsay Rubber & Plastics Ltd  
Vulcan Road, Bilston  
West Midlands WV14 7HT  
United Kingdom

T: +44 (0) 1902 407150

E: [sales@ramsayrubber.com](mailto:sales@ramsayrubber.com)

W: [www.ramsayrubber.com](http://www.ramsayrubber.com)



FM 573015

EMS 652217

TS 573014