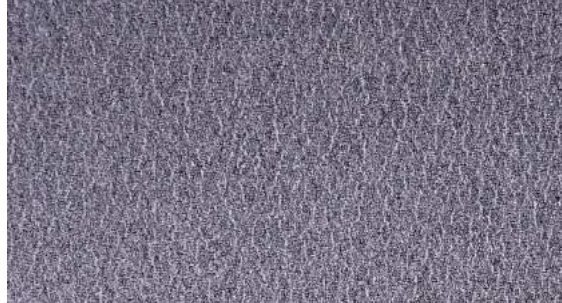




# R452

# Polyethylene Foam



PROPERTIES	AVERAGE VALUE
Density	33kg m3
Shore Hardness OO Scale	17/49
Compression set 25% comp 22hr 23 deg C ½ hr recovery	21%
Compression set 25% comp 22hr 23 deg C 24hr recovery	12%
Compression Strength Deflection 10%	19 kpa
Compression Strength Deflection 25%	38 kpa
Compression Strength Deflection 50%	105 kpa
Tensile Elongation—Lengthwise	140%
Tensile Elongation—Crosswise	120%
Operating Temperature	- 80°C / + 100°C
Water Absorption – 7 days (vol)	< 1 %

**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)
- Extremely Lightweight
- Great rigidity and tear strength
- Good UV & Ozone resistance
- Good Chemical resistance

Polyethylene foam is also known as PE and LPDE foam, it is very rigid and resilient. It is generally used in a variety of applications, the advantage of Polyethylene foam is its strength and how lightweight it is comparable to heavier chemically formed foams. The smooth surface offers excellent consistency, gauge control and low water absorption and vapour transmission. Materials in this range are extremely durable and have exceptional, Ozone, UV, chemical and weather resistant which provide acoustic, NVH, Thermal and high performance sealing properties.

 **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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