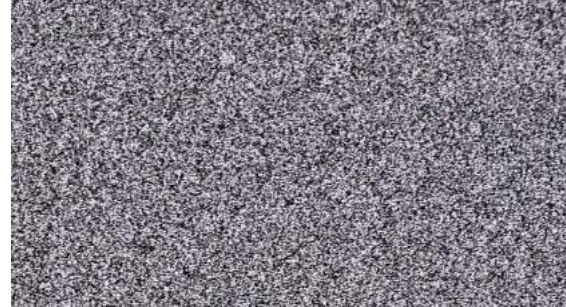


PROPERTIES	AVERAGE VALUE
Density (ISO 845)	52 kg m ⁻³
Cell Size	0.25
Maximum operating temperature	+205 °C max
Compression stress-strain characteristic 25% compression (ISO 7214)	190 kPa
Compression stress-strain characteristic 50% compression (ISO 7214)	280 kPa
Tensile strength (ISO 1798)	1300 kPa
Elongation	70%
(22 hrs @ 25% compression, 23°C, 1 /2 hr recovery) (ISO 1856)	14 %
(22 hrs @ 25% compression, 23°C, 24 hr recovery) (ISO 1856)	12 %
Flammability (FMVSS.302) Burn rate <100 mm/min and thicker	Pass at 4 mm
Thermal Conductivity (ISO 8301) Mean temperature of 25°C	0.0381
Thermal Conductivity (ISO 8301) Mean temperature of 170°C	0.0512
Equilibrium moisture content (ISO 760) weight %	2.4%

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
- Extremely Lightweight
- Excellent thermal conductivity
- Good Sealing properties (air, dust and water migration)
- Good NVH Solution
- Available Die Cut & Thermoformed

Polyamide NB foam, is a high performance closed cell, cross-linked nylon foam based on polyamide. It is lightweight, tough, strong and durable foam that can perform at the most stringent of temperatures.

 **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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FM 573015

EMS 652217

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