



R590 Class O Polyurethane Foam

PROPERTIES	AVERAGE VALUE
Density	75 - 100 kg m3
Hardness	120 - 180 N
Elongation at break	> 90 %
Tensile Strength	> 70 Kpa
Thermal Conductivity	0.048 – 0.051W/mK
Working Temperature	-40 - + 110 °C
Environmental Protection	CFC Free
Fire Resistance*	V-0, 94-5V Class "O"

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.

*UL94 Classification BS 476 P6 & P7 Building Regulations



Material Properties:

- Good Sealing properties (air, dust and water migration)
- Extremely Lightweight
- Good UV & Ozone resistance
- Good Thermal insulation
- Good Acoustic properties

Polyurethane is a low density open cell foam that is used in a variety of applications, for packaging (cushioning), vibration dampening and sealing applications. Depending on its thickness and density, Polyurethane is an excellent acoustic and thermal conductive material, due to its cell structure. It can also be supplied in a variety of specialist grades offering conductive, static dissipative and flame retardant material 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

W: www.ramsayrubber.com



FM 573015

EMS 652217

TS 573014