

ECOcell foam is made from 100% recycled material and is 100% recyclable. Offering excellent durability, Insulation Properties (0.029 W/mK) and Flammability: FMVSS302, B2 (DIN 4102) with no additives. It also has an excellent environmental performance, requiring 3.5 times less energy for its production compared to PE foam of the same size and density and causes 94% less CO2 emissions.

PROPERTIES	ECO CELL 70	ECOCELL 90	ECOCELL 120	ECOCELL 300
Density (ISO 845)	70kg/m3 (1)	90kg/m3 (1)	120kg/m3 (1)	300kg/m3 (1)
Thickness (ISO1823)	4-5 mm (2)	2-4mm (2)	2-4mm (2)	1-1,5mm (2)
Tensile Strength MPa	MD:1,7 (3) TD:1,6 (3)	MD:1,9 TD:1,7	MD:2,7 TD:2,4	MD:5,2 TD:5,7
Elongation at break %	MD:80 (4) TD:30	MD:120 (4) TD:60	MD:100 (4) TD:50	MD:60 (4) TD:40
Tear Strength MPa	MD:15 TD:18	MD:16 TD:20	MD:10 TD:18	MD:30 TD:30
FMVVSS 302 <100mm/min	Pass	Pass	Pass	Pass

Please Note:

The figures present on this specification sheet are average values. We recommend evaluation prior to use to ascertain the suitability of the material for the application.

- (1) tolerance density : +/-5%
- (2) tolerance thickness: +/- 0,3mm
- (3) MD =machine direction TD =transverse direction
- (4) Values recipe dependent



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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