

MANUFACTURER OF DIE-CUT PARTS IN TECHNICAL HIGH
PERFORMANCE LIGHTWEIGHT MATERIALS PROVIDING
CELLULAR SEALING SOLUTIONS



UK Industry Leader
Of cellular solutions



Global Accreditation
IATF16949 & ISO14001



Experience of
Over 50 years



"At Ramsay we have over 50 years experience in the production and supply of technical lightweight sponge, foam and fabric solutions."

PAUL KILLEEN,
MANAGING DIRECTOR

WHO WE ARE

RAMSAY ARE A UK LEADING MANUFACTURER OF GASKET AND THERMOFORMED PARTS

in technical high performance lightweight materials. For sealing, NVH, thermal and acoustic applications to OEMs across industry and the world.

Our objective is to provide our customers with quality products in accordance with **IATF16949, ISO14001 and ISO9001** standards to deliver a guaranteed service.

With over 50 years of material, process and application knowledge, combined with a cost and time effective solution based approach, we have ensured that we remain at the fore-front of our industry.



60,423,412

Products Manufactured



9,116

OTIF (On time in full)



27

Countries Supplied



412

Happy Customers

(*Data Collected 2017)



CELEBRATING 50 YEARS OF MANUFACTURING EXCELLENCE

Established in 1968, Ramsay have a proud manufacturing heritage. Originally named Rubberastic by founder Doug Allen, Ramsay quickly established itself as a leading UK manufacturer for sealing solutions.

Today Ramsay serves a number of key markets worldwide, including **automotive, engineering, electrical & renewable** and **mass transit** all from our manufacturing site based in Wolverhampton.

GASKET & SEALING

- Gaskets
- Kiss-Cut Gaskets
- Washers
- Sheeting

INSULATION & NVH

- Thermal Insulation
- Adhesive Pads

ADHESIVE TAPES & ROLLS

- Single Sided Tapes
- Double Sided Tapes
- Adhesive Strip
- Rolls

FABRICATION & ASSEMBLY

- Textile Shapes & Assemblies
- Rubber Cord
- Sponge Cord

PACKAGING & PROTECTION

- Foam Packaging
- Thermoformed Packaging
- Thermoformed Protection

CUSTOM PRODUCTS

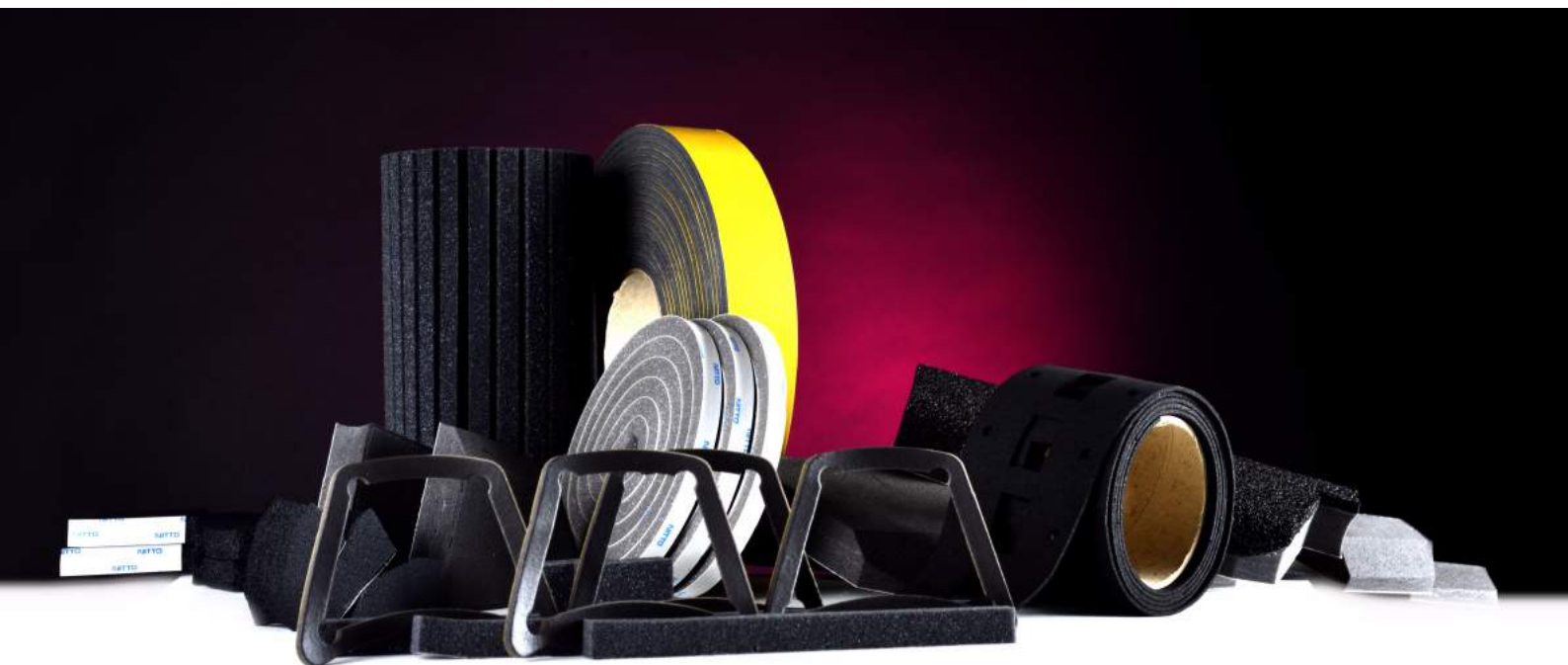
RAMSAY ARE A LEADING UK MANUFACTURER OF CELLULAR DIE CUT PRODUCTS WITH FULL CONVERSION CAPABILITIES.

We are able to offer a variety of customer specific die cut gaskets, in a wide range of **shapes, sizes, thicknesses** and **density's**.. Gaskets are available individually or kiss-cut on a roll to enhance production.

Ramsay also have the capability to manufacture adhesive foam tapes, strip and rolls, Available In custom **widths, lengths** and **thicknesses**, to suit your application, requirements.

If you are looking to replace **semi-structural parts** or **void fill**. we have the capability to **fabricate** materials, in sponge, foams, fabrics and rubber materials. The outcome is **reduced cost**, improved **light weighting** and enhanced sealing performance. To complement fabrication, also offer **product assembly**.

At Ramsay we also have the capability to **thermoform recycled materials** into packaging and protection protection products.



COMPLETE PROCESS CONTROL

ALL OF OUR HIGH PERFORMANCE PRODUCTS ARE MANUFACTURED AT OUR SITE IN WOLVERHAMPTON

Ramsay are the preferred UK manufacturer, with complete conversion process control. From material slitting, adhesive lamination, die-cut, stamping, fabrication and assembly.

MATERIAL SLITTING

- Continuous rolls or individual sheets
- Twin loop splitting machines
- Automated slitting process
- Precise thickness tolerance control
- Customer specific capabilities



ADHESIVE LAMINATING

- Adhesive lamination to substrate
- Single or double sided
- Finger Lift / Tabbed liner capabilities
- Single process lamination and slitting

DIE-CUT & STAMPING

- Digitally Controlled Tooling System
- CNC controlled die-cut process
- Die-cut individually or kiss cut on a roll
- Maximum utilisation of material
- Waste material removal

FABRICATION & ASSEMBLY

- Sub assembly
- Customer specific fabrication
- Bi or Multi substrate lamination

THERMOFORMING

- Forming three-dimensional shapes
- Trimming and Finishing



NITTO EE1010
INTERIOR KISS-CUT
GASKETS



POLYETHYLENE FOAM
FABRICATED GAP FILLER



EPDM SPONGE
ROOF RAIL GASKETS



POLYETHYLENE FOAM
HVAC SINGLE GASKETS



**POLYETHYLENE &
NON-WOVEN**
FABRICATED FILTER



POLYETHYLENE & FELT
PANORAMIC ROOF TAPE



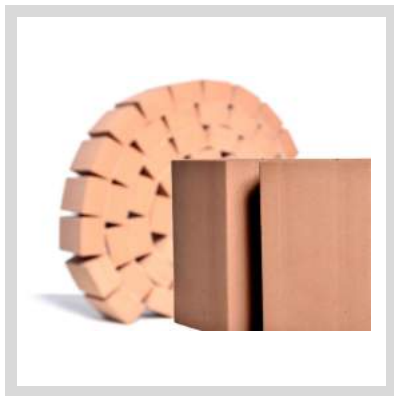
POLYETHYLENE FOAM
EXTERIOR FABRICATED SPACERS



SYNTHETIC FELT
COCKPIT GASKET



NITRILE PVC
BOOT SPACER



EPDM/NEOPRENE BLEND
FUEL TANK PADS



EPDM SPONGE
DOOR HINGE GASKETS



SOLID RUBBER
BUMPER GASKET

SERVICE WITH A DIFFERENCE

SUPPORT, EVERY STAGE OF YOUR PROJECT. FROM RECEIPT OF YOUR ENQUIRY, RAMSAY WILL OFFER TECHNICAL SUPPORT.

Advising the best product and high performance material solution that suits your specific application and assembly process requirements.

We assist with product development, on-site support and samples. Ensuring a straightforward development and purchasing process.

Our customers are central to our business and that is why our service does not stop at product development, we offer complete customer service with a difference.



Technical Support



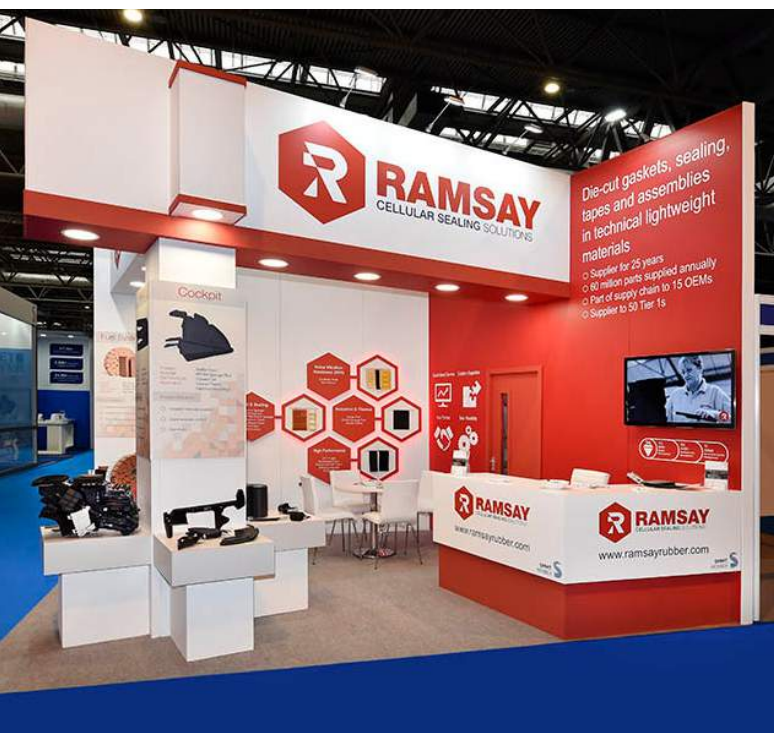
On-Site Support



Sample Approval



OTIF Delivery



SOLUTION EXPERTISE

With over 50 years of material, process application knowledge and with a trained and skilled team we are a proven solutions provider and partner.

TOTAL FLEXIBILITY

Project delivery that supports product design, complements customer process, assembly and delivery lead-time requirements.

YOUR PARTNER

Open communication with our customers is key for a strong collaborative approach. strengthening partnerships and ensuring that we deliver effective decision making.

GUARANTEED SERVICE

Monitored SLAs supported by our designated account managers, ensure that we satisfy customer requirements through our integrated CRM system.

AUTOMOTIVE RELATIONSHIP

FOR MORE THAN 25 YEARS, RAMSAY HAS SUPPLIED GLOBAL AUTOMOTIVE OEMS AND TIERS 1-3

With high performance light weighting sealing, NVH, thermal and acoustic product solutions, across all platforms and systems.

We are a member of SMMT, helping to support the UK automotive industry, whilst strengthening our commitment, influence and relationship. We regularly attend OEM events, contributing to engineering, light-weighting and other key industry issues.



AUTOMOTIVE FACTS:

- Supplier for 25 years.
- Supplier to 50 Tier 1 organisations globally.
- Over 500 SKUs supplied globally.
- Supplier to 20 countries worldwide.
- 60 Million parts supplied per annum.
- IATF16949 & ISO14001 Accredited.
- Part of the global supply chain to 15 OEMs.

INTERIOR CABIN /COCKPIT

Nitto, EPDM, Polyurethane and Synthetic Felt gasket products providing technical sealing (air, dust, water ingress) and NVH solutions for interior cabin applications.

HVAC & AIRFLOW

Sealing strips and gaskets for HVAC, ducting and airflow systems. In Nitto, Polyurethane and Polyethylene materials for sealing, thermal and acoustic solutions.

FUEL TANK SYSTEMS

Cellular sponge and solid rubber adhesive pads and strips, utilising a wide range of EPDM/ Neoprene and nitrile materials. Providing tank protection and NVH solution, with petro-chemical and abrasion resistance

EXTERIOR SYSTEMS

Gasket and foam tape products for exterior systems. For product sealing, protection and spacing /fillers.

LIGHTING SYSTEMS

Utilising Silicone, Nitto, and EPDM Blend materials, we manufacture a wide range of custom gasketing product for high performance sealing in lighting systems.

ROOF SYSTEMS & OVERHEAD

EPDM gaskets for sealing roof rail/feet and Polyurethane/felt tapes for panoramic roof systems to limit NVH.

DOOR SYSTEMS

To prevent water ingress we utilise a variety of lightweight, high performance Polyethylene and EPDM seals/gaskets. We also have the capability to thermoform ECOcell foam and a range of foams for door liners.

A TWIN SOLUTION CASE STUDY

THE CHALLENGE

A plastic injected door fender component for their customer Jaguar Land Rover. Our customer experienced continued sealing and NVH issues, due to the irregular surface area of the application. They were utilising two rubber moulded product components, to try and resolve the issue, unfortunately with no success.

OUR SOLUTION

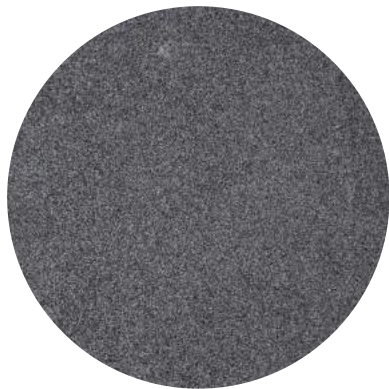
Ramsay developed a fabricated adhesive foam seal. That compromised of semi closed cell Nitto E1010 foam, laminated with a closed cell R230/10 EPDM sponge. The materials where laminated and die-cut in three stages to meet the complex sealing requirements.

The closed cell EPDM sponge would act as an internal sealing barrier. Whilst the Nitto foam due to its cell structure would compress into the application to provide a water and air tight external seal, when fitted. It also provided an enhanced NVH solution.



"OUR
CUSTOMER
IS A GLOBAL
SUPPLIER OF
INJECTION
MOLDING AND
SPECIALIST
PLASTICS"





NEOPRENE SPONGE

Density: 140 - 180 kgm³
Temperature: -40°C - +120°C
Colour: Black & Grey



NEOPRENE/EPDM Blend

Density: 55 - 85 kgm³
Temperature: -40°C - +95°C
Colour: Various Colours



EPDM SPONGE

Density: 110 - 160 kgm³
Temperature: -40°C - +95°C
Colour: Black & White



SOLID RUBBER

Density: 65° - 70° Shore A
Temperature: -30°C - +110°C
Colour: Black



POLYURETHANE FOAM

Density: 15 - 100 kgm³
Temperature: -40°C - +110°C
Colour: Grey



PVC FOAM

Density: 100 - 200 kgm³
Temperature: -30°C - +80°C
Colour: White & Grey



POLYETHYLENE FOAM

Density: 15 - 115 kgm³
Temperature: -80°C - +120°C
Colour: Various Colours



NITRILE PVC

Density: 55 - 85 kgm³
Temperature: -55°C - +85°C
Colour: Black



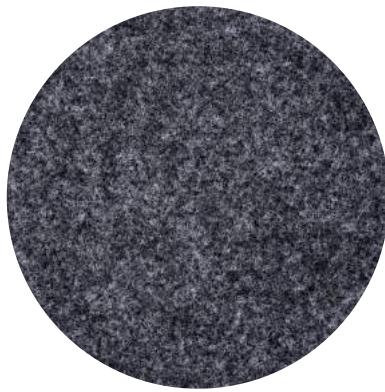
WOVEN FABRIC

Please Enquire



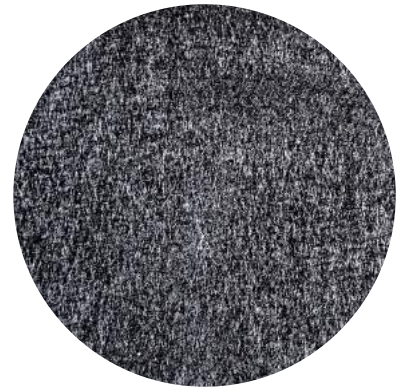
EPDM SPONGE PLUS

Density: 55 kgm³
Temperature: -200°C - +150°C
Colour: Black



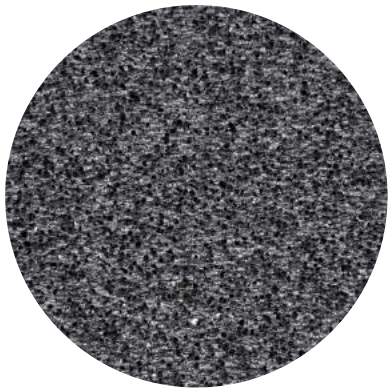
SYNTHETIC FELT

Please Enquire



NON-WOVEN

Please Enquire



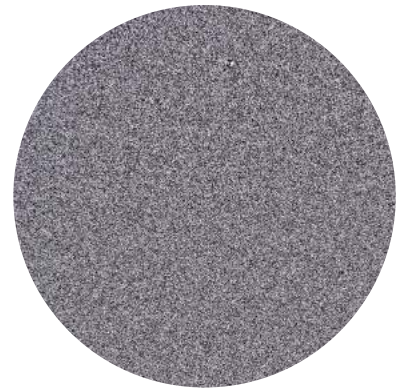
NITTO FOAM (EPT)

Density: 90 - 130 kgm³
Temperature: -40°C - +135°C
Colour: Black



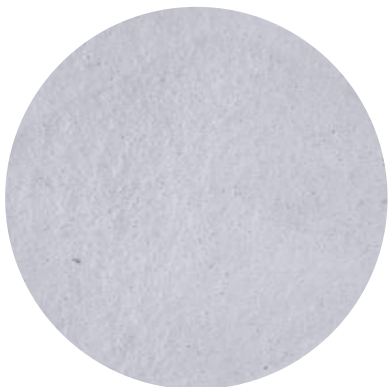
SUPERSEAL FOAM

Density: 33 - 44 kgm³
Colour: Grey



POLYAMIDE NB FOAM

Density: 30 - 110 kgm³
Temperature: -70°C - +205°C
Colour: Grey



SILICONE SPONGE

Density: 200 - 530 kgm³
Temperature: -60°C - +230°C
Colour: White



ECOCCELL FOAM

Density: 70 - 300 kgm³
Temperature: -40°C - +150°C
Colour: Green & Grey

ECOCELL

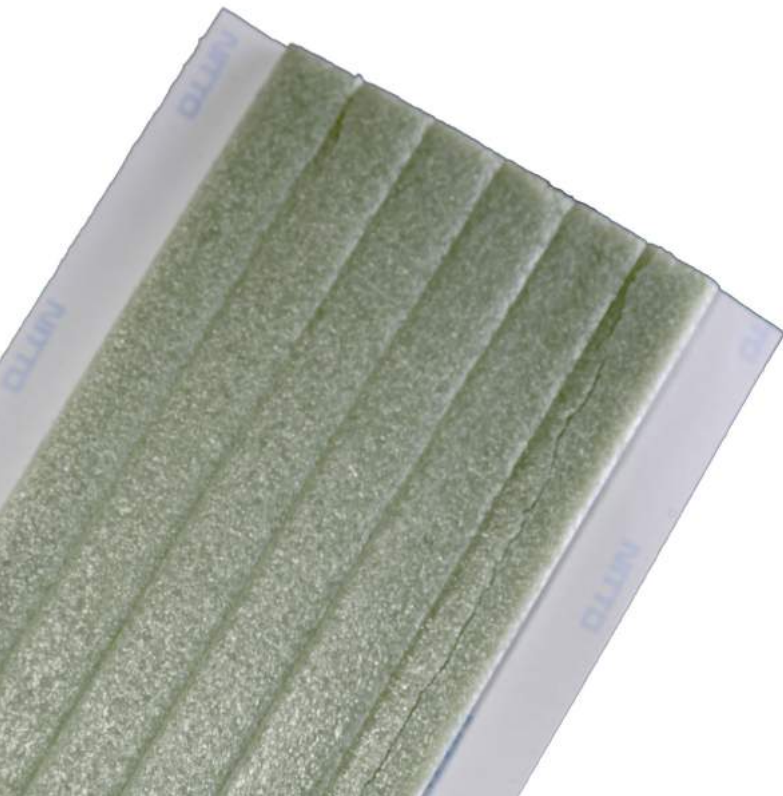
100% RECYCLED & RECYCLABLE

ECOcell FOAM. CAN BE THERMOFORMED OR DIE-CUT. PROVIDING SEALING, IMPACT PROTECTION AND WEIGHT REDUCTION SOLUTIONS.

Made from 100% recycled PET bottles, 100% of production scrap flows back into manufacturing and ECOcell foam can be completely recycled at the end of its service life.

- 70 – 300kg/m³ Density
- Insulation properties (0.029 W/mK)
- Service Temperature -40°C to +180°C
- Oil, water and chemical resistant
- FMVSS 302 and DIN 4410 fire tested

ECOcell foam is available in 1mm to 6mm thickness (Green or Grey finish), with a density range of 70 – 300kg/m³ dependant on thickness. This material is designed to provide a highly sustainable and improved alternative to cross-linked XPE, XPP and a variety of other plastic products.



AUTOMOTIVE APPLICATIONS

- Door Liner
- Body Protection
- Battery Covers
- Roof Trunk Liner
- Wheel Protection
- XPE/XPP Applications



QUALITY YOU CAN TRUST

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 achieve our quality and overall service. We support our customers with further product development, on-site technical support and VAVE analysis/activity supporting customer competitiveness.

"Ramsay are an A rated supplier to our business, their OTIF and quality record is exceptional."

**Automotive Fuel Components
Manufacturer**

"We utilise a wide range of high performance gaskets from Ramsay for a variety of electronic applications where sealing is critical,"

**Electronic Equipment
Manufacturer**

"A thoroughly professional company, supplying excellent product quality and providing an exceptional level of support"

**Precision Steel
Manufacturer**



"CONTACT US
FOR A
SAMPLE OR
SAMPLE
PACK"

REQUEST A SAMPLE OR SAMPLE PACK

HAVE A POTENTIAL PROJECT THAT WE MAY BE
ABLE TO ASSIST YOU WITH? THEN SPEAK WITH
ONE OF OUR TEAM.

We can advise material for your application, thickness, size
and provide custom made samples to support your project.
If you are still unsure why not request one of our sample
packs which has a range of open cell, semi closed cell and
closed cell materials, for you to sample.

Sample Pack Materials:

**Nitto Foam, Superseal Foam , Non Woven, EPDM
Sponge, EPDM Sponge Plus, Neoprene Blend Sponge,
Polyamide and Polyethylene Foam.**



Nitto

3M

 **armacell**

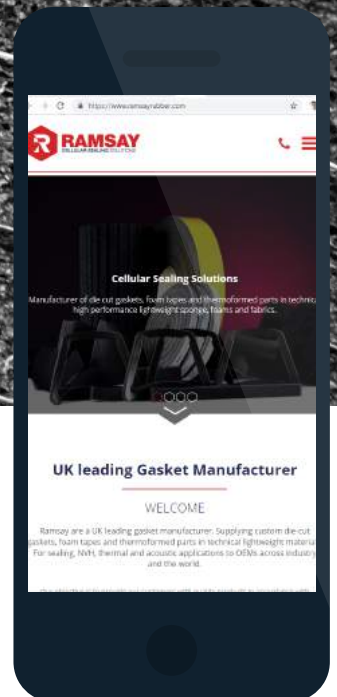
SEKISUI

 **AVERY
DENNISON**



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