

ASG | advanced
seals + gaskets



**One of the UK's Leading
Seal & Gasket Manufacturer**

www.advancedseals.co.uk



ISO9001, ISO14001 & ISO45001
Certificate Ref: 11738

Our Story

1996

Established in 1996, Advanced Seals and Gaskets Ltd began in a small 1000 sq ft unit near our current location. Our management team had over a decade of experience in the Rubber and Plastic industry.

1999

We quickly became a vital industry player, outgrowing our initial unit in Brierley Hill and expanding to an adjacent unit. In 1999, we relocated to Dudley, occupying Polymer Works, a 30,000 sq ft industrial estate with office suite and production facility.

2010

In 2010, we acquired an electrical insulation materials manufacturer, integrating it into Polymer Works and expanding our product range.

2016

In 2016, we refurbished our production facilities and extended our office building for modernisation/expansion and energy efficiency.

2017

In 2017, we acquired an RFI shielding specialist's assets, offering RFI/EMI shielding products to our customers, further expanding our product range.

2018

In 2018, we acquired another sponge and rubber converter and relocated the assets into our Polymer Works site, expanding on our existing customer base.

2019

In 2019, we acquired an adhesive tape manufacturing company, bringing adhesive tape manufacturing in-house and enabling us to provide ASG-manufactured tape to our existing customers along with the new customers the acquisition provided.

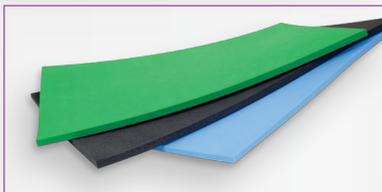
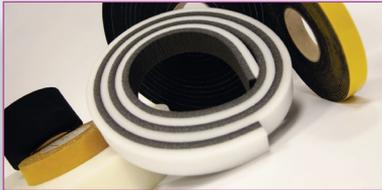
That same year, ASG acquired a neighbouring unit for increased stock holding and subsequent cost savings for customers.

2022

In 2022, we purchased another neighbouring unit, immediately refurbishing it for additional raw material stock holding.

Also in 2022, we achieved ISO45001 accreditation, adding to our ISO9001 and ISO14001 certifications.

ASG believe our ongoing investment in advanced plant, systems, and equipment since 1996 allows us to consistently exceed customer expectations in regards to Price, Quality and Lead Times whilst ensuring an ever growing product range.



Gaskets & Seals

As a leading UK gasket manufacturer, Advanced Seals & Gaskets (ASG) produce a wide range of standard and custom gaskets. Our continual investment in cutting-edge technology ensures we meet unique customer requirements, offer competitive pricing, and reduce lead times.

ASG accommodates small-volume batches, one-off orders, prototypes, and high-volume production using our advanced machinery. We produce Gaskets/Seals from various non-metallic materials, and can apply self-adhesive backing. Gaskets and Seals can be supplied according to specific customer needs.

Strips

ASG manufactures various strips like sealing, glazing, gasket tape, or isolation strips in-house, using state-of-the-art machinery. Our in-house production ensures high-quality, competitively priced strips, cut from rolls or sheets, with optional self-adhesive backing.

Pads

ASG produce pads from various materials based on customer requirements, using automated presses, bandsaws, or CNC machines. We offer self-adhesive backing on pads, which can be supplied as loose cuts or kiss-cut on rolls for assembly lines in most non-metallic materials

Adhesive Tapes

We manufacture adhesive tapes in-house with a variety of carriers and release liners. Our adhesive range includes hot melt, water-based acrylic, solvent-based acrylic, hi-tack adhesives, and perm/peel for low tack applications. We can also adhesive laminate customer materials directly.

Sheeting & Rolls

ASG offers sheets/rolls in various material types, grades, densities, and thicknesses. Our splitting department provides thicknesses ranging from 1mm to 200mm. We can supply plain or laminated sheets/rolls, depending on customer needs. Sheets/Rolls can be supplied with the option of adhesive backing.

Extrusions

We supply a range of sponge and rubber extrusions, from simple cords to complex contoured parts for protection, leakage prevention, and aesthetic purposes. Extrusions are made to order using customer samples or drawings.

Mouldings

ASG provides moulded components from rubber and plastic materials, made to order using customer samples or drawings. Mouldings can be feet, buffers, sleeves, O-rings, and many more.

Fabrications

We manufacture fabricated components from sponge, foam, and rubber materials. Our skilled workforce and modern CNC equipment can automatically cut and drill fabricated parts using CAD drawings, based on customer samples or drawings.

<p>A312</p> <p>Firm Grade Closed Cell Expanded Neoprene Sponge</p> <p>Average density 170/190 Kg/m³. Specification ASTM D1056-07 2C3 B2P. Temperature range -40oc - +85oc. Applications: Gasket and strip to withstand weather, heat and oil.</p>	<p>A314</p> <p>Semi Open Cell E.P.D.M Sponge</p> <p>Average density 80/120 Kg/m³. Temperature range -40oc - +120oc. Applications: Gasket sheets and strips to withstand weather, heat and ozone.</p>	<p>A316</p> <p>Medium Grade Closed Cell Expanded E.P.D.M Sponge</p> <p>Average density 95/140 Kg/m³. Specification ASTM D 1056-07 2A1/2 A1 B3 C2 F1 M P. Temperature range -40oc - +100oc. Colour Black or White. Applications: Gaskets and strips to withstand weather, heat and UV.</p>	<p>A317</p> <p>Firm Grade Closed Cell Expanded E.P.D.M Sponge</p> <p>Average density 100/150 Kg/m³. Specification ASTM D1056-00 2B3 B2C. Temperature range -40oc - +70oc. Colour Black. Applications: Gaskets and strips to withstand weather, heat and ozone.</p>
<p>A335</p> <p>Solid Silicone Rubber</p> <p>Temperature range -60oc - +230oc. Hardness 60 shore. Applications: Gaskets and strip for extreme temperatures and food quality applications.</p>	<p>A336</p> <p>Silicone Sponge Rubber</p> <p>Temperature range -60oc - +200oc. Average density 250—260Kg/m³. Applications: Gaskets and strip for extreme temperatures and food quality applications.</p>	<p>A339</p> <p>Low Density Non-Cross-Linked Polyethylene Foam</p> <p>Average density 25Kg/m³. Temperature range -60oc - +80oc. Applications: Leisure, routed case inserts and packaging.</p>	<p>A340</p> <p>Expanded Cross Linked Closed Cell-Polyethylene</p> <p>Average density 30Kg/m³ Temperature range -80oc - +100oc. Colour: Black or white. Applications: Gaskets and strip to withstand weather.</p>
<p>A346</p> <p>Expanded Closed Cell Cross Linked Expanded Polyethylene Foam</p> <p>Average density 45Kg/m³. Temperature range -60°c - +90°c. Various colours available. Applications: Gaskets, sheet and strip to withstand weather.</p>	<p>A347</p> <p>Expanded PVC Foam</p> <p>Average density 100/125Kg/m³. Temperature range -50°c - +60°c. Colour Black or white. Applications: Gasket and strip to withstand weather, and dust. Used for automotive, facemask seals and medical applications.</p>	<p>A348</p> <p>Expanded PVC Foam</p> <p>Average density 200/220 Kg/m³. Temperature range -30°c - +60°c. Colour Black or white. Applications: Gasket and strip to withstand dust. Used for automotive, facemask seals and medical applications.</p>	<p>A350</p> <p>Open Cell Expanded Polyether Foam</p> <p>Average density 23.8 – 26.3 kg/m³. Flammability to FMVSS302. Colour: Grey or white. Applications: Gaskets and strip for dust proofing, cushions, flame retardant grades.</p>
<p>A360</p> <p>Industrial Felt</p> <p>Density various. Colour various. Applications: Gasket and strip for oil seals.</p>	<p>A362</p> <p>Reconstituted Polyurethane Foam</p> <p>Densities 4lb - 14lb/cuft. Also available combustion modified. Applications: Anti-rattle, dust seals and cushioning.</p>	<p>A365</p> <p>Textiles</p> <p>Non-Woven Scrim, Carpet and Brush Nylon. Specification available on request.</p>	<p>A370</p> <p>Fibres Jointing Material</p> <p>Available in various grades in non-asbestos fibre, red vulcanized fibre, gasket paper, leatheroid, presphan, SRBF, SBPF and paper laminates. Applications: Gaskets and seals to withstand high temperatures.</p>



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Polymer Works, Hope Street, Dudley, West Midlands, DY2 8RS

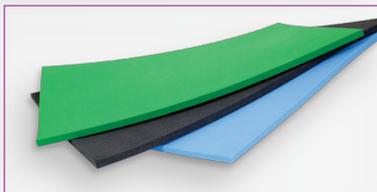
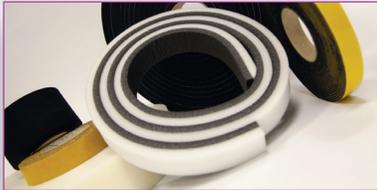


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Samples displayed are a selection only. Many other grades of materials are available for particular applications. Most can be supplied, self-adhesive on one or both sides.

 <p>A300 Solid Natural and Synthetic Rubbers Available in various grades and quantities to withstand extreme temperatures and to resist oil, fuels, acids and alkalis. Hardness 40c—70c shore. Available in Neoprene, Nitrile, E.P.D.M., Shotblast Rubber, Viton and Butyl.</p>	 <p>A305 Rubber Matting Available in various Rib Patterns: Fine, Flat, Broad, Cattle Mats etc. Electronically tested grade can be supplied.</p>	 <p>A311 Medium Grade Close Cell Expanded Neoprene Sponge Average density 104-175 Kg/m³. Specification ASTM D 1056-00 2C2 B2C. Meets UL94 HB. Temperature range -40c—+100c. Applications: Gasket and strip to withstand weather heat and oil.</p>	 <p>A311 FR Flame retardant Medium Grade Closed Cell Neoprene Sponge Average density 104-175 Kg/m³. Specification ASTM D1056-07. Temperature range -40c - +100c. Applications: Gasket and strip to withstand weather, heat and oil.</p>
 <p>A318 High Temperature Closed Cell Expanded E.P.D.M Sponge Average density 55/70 Kg3. Temperature range -45oc - +150oc. Applications: Gasket and strip to withstand weather, heat and ozone.</p>	 <p>A320 Closed Cell Neoprene/ E.P.D.M Blend Sponge Average density 105-125 Kg3 Specification ASTM D1056-00 AFNOR 99-211. Temperature range -40c - +85oc. Applications: Gasket and strip to withstand weather, acids and ozone.</p>	 <p>A325 Closed Cell Nitrile/PVC Sponge Average density 50 Kg3 Specification BS476 Class—0 Temperature range -45oc - +110oc. Applications: Gasket, rolls and strip to withstand weather, heat and oil, can also be used as a thermal insulator.</p>	 <p>A330 Open Cell Natural Industrial Sponge Rubber Average density 380 Kg3. Specification D1056-85 RO12 1A2. Temperature range -40oc - +80oc. Applications: Gasket, rolls and strip where good recovery is required. Resistant to ozone.</p>
 <p>A341FR Closed Cell Expanded Flame Retardant Polyethylene Various densities available 24—33Kg3. Flammability to FMVSS302. Temperature range -60c - +90c. Applications: Gaskets, seals and strip to withstand weather heat and oil.</p>	 <p>A342 High Density Expanded Cross Linked Expanded Polyethylene Foam Average density 100Kg3. Temperature range -60c - +90c.</p>	 <p>A344 Closed Cell Ethylene Vinyl Acetate Densities include 30Kg/m³, 50Kg/m³, 100Kg/m³ and 167Kg/m³. Applications: Where a good recovery and tensile strength is required.</p>	 <p>A345 Expanded Closed Cell Cross Linked Polyethylene Foam Average density 30Kg/m³. Temperature range -60° c - +90° c. Applications: Gaskets, sheet and strip to withstand weather.</p>
 <p>A351 Open Cell Expanded Polyester Foam Average density 28Kg/m³. Temperature range -30° c - +110° c. Flammability to FMVSS302. Colour: Grey or white. Applications: Gaskets and strip for dust proofing, cushions, flame retardant grades available.</p>	 <p>A352 Open Cell Expanded Reticulated Polyurethane Foam Available from 10PPI - 80PPI Density 23/27Kg/m³. Also available in flame retardant grade to FMVSS302. Applications: Filtration.</p>	 <p>A354 Class O Acoustic Foam Average density <90 kg/m³ Operating temperature -30 to 100°C. Flammability Standards: Class O Acoustic Foam tested in accordance with BS476 part 6 & 7 UL94 V-0 flammability rating. Applications: marine, building and construction, automotive, heating, ventilation and manufacturing.</p>	 <p>A355 Cork Neoprene, Nitrile and Synthetic Grades. Average density 275.325Kg/m³. Temperature range -20° c - +120° c. Various ASTM specifications available. Applications: Antivibration, cork flooring, gasket and strip to withstand weather, oil and acid.</p>
 <p>A380 Plastics Various grade materials available: ex PVC, PTFE, Polycarbonate, Polyester, Nylon and Polypropylene. Applications: Gaskets and seals to withstand extreme temperature.</p>	 <p>A390 Electrical Insulation and Thermal Insulation Mica, Nomex, Mylar, Kapton, Epoxy Glass, SRBF, SBPF.</p>	<p>For your information... Specifications are given in good faith and believed to be accurate. We recommend that you obtain material samples and full specification details to satisfy your choice of material.</p>	



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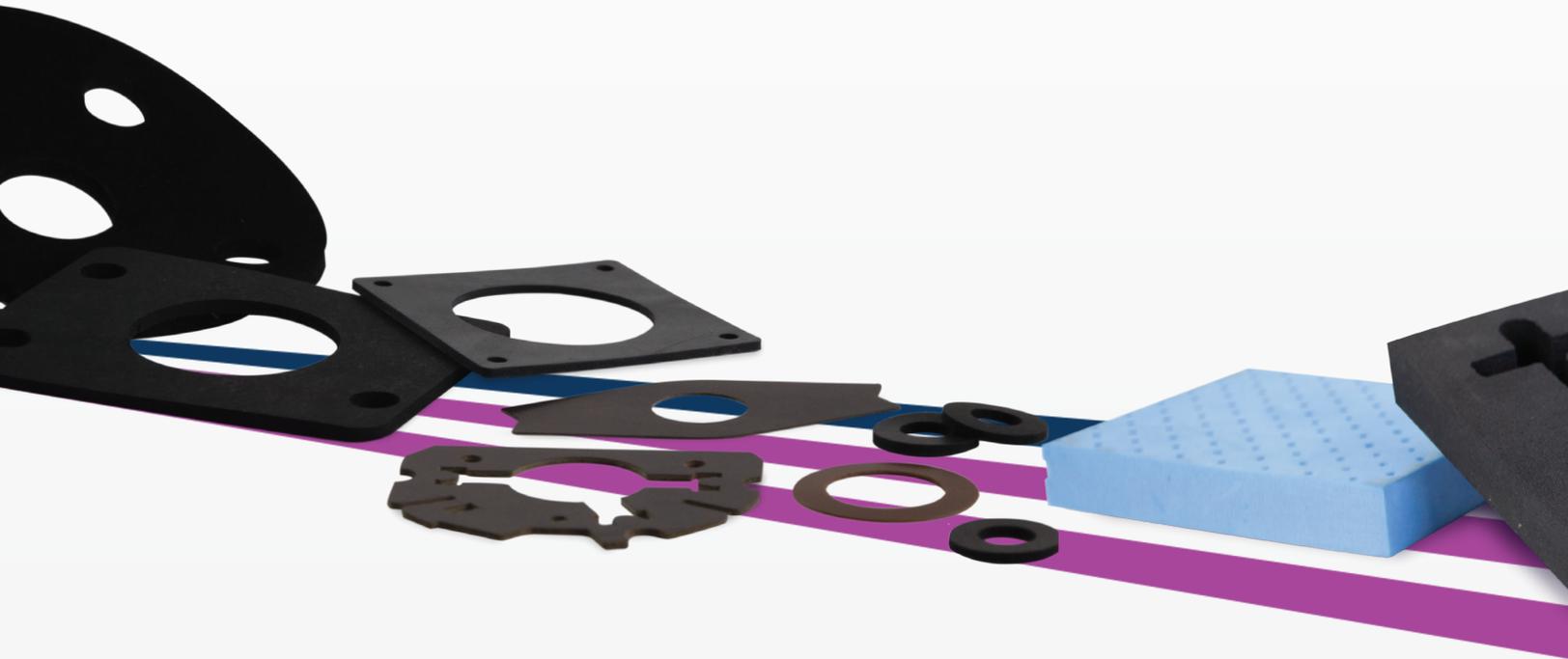
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Company Mission Statement

Advanced Seals and Gaskets Ltd. have established a quality of care for our products and services that enable us to satisfy the evermore stringent demands and requirements of our customers.

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