



**ASG**  
advancedseals&gasketsltd



specialists in foam and rubber products

## With over two decades of experience, Advanced Seals & Gaskets are one of the leading manufacturers in the Rubber and Plastics industry

The continual re-investment in the latest Plant and Equipment allows us to offer technical assistance, design and prototype development along with excellent service to our customers, whilst remaining extremely competitive. Innovation, diversification, flexibility and customer care has been integral to the success of the company

The sourcing of material from our worldwide partners and the extensive range of materials and stock levels we hold in our 35,000sq ft facility allows ASG to be extremely competitive and provide an extremely fast turn around

Advanced Seals & Gaskets have built an excellent reputation through the satisfaction of customers and commitment to the highest quality standards. This is achieved through our policy of Total Quality Management, the development of our processes and the continued training of our skilled workforce

Our Accreditation to the internationally recognised Quality Management standard BSENISO 9001:2008 ensures that every precaution is undertaken to give our many customers exactly what they require with total satisfaction

At Advanced Seals & Gaskets you will find an extensive product range that enables us to offer practical solutions in the development of Customer Designs, Production and Assembly. Through this diverse range of products (supplying solutions for Sealing, Anti Vibration, Insulation, Protection, Anti Squeak, Sound Absorption, Noise Control), we are able to supply a wide spectrum of industries both in the UK and around the world including:

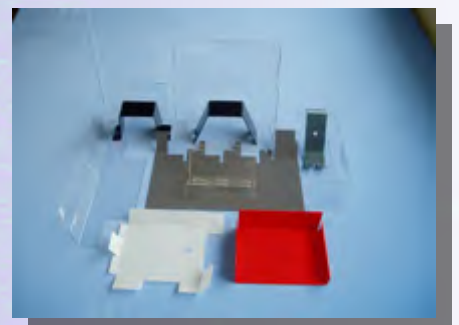
- Automotive
- Aerospace
- Building and Construction
- Chemical
- Communications
- Defence
- Electronics
- General Engineering
- Medical
- Packaging
- Sport and Leisure
- White Goods

Our manufacturing facility allows a complete fabrication and assembly service, providing solutions for customers diverse and demanding applications. The facility incorporates CNC Cutting Equipment, Routing, Milling, Lathes and Automatic machines allowing us to manufacture products (in most formats) to any size. A comprehensive catalogue of Self-Adhesive Tapes, Extrusions, Gaskets, Fabrications and Mouldings means that our customers can enjoy having one approved supplier for all their Rubber and Plastic needs

### Electrical Insulations

ASG compliment their comprehensive foam and rubber products with an extensive range of materials for electrical insulation and mechanical properties; along with EMI and RFI shielding and materials for thermal management.

We fabricate; die cut CNC machine and thermally form bespoke products for an array of industries and applications including: Domestic and commercial appliances, telecommunications, aerospace and defence, lighting, switchgear and power transformers, heaters, electric motors etc. Manufactured in such materials as Nomex, Mylar, Mica, SRBP and SRBF, leatheroid and vulcanised fibre, glass laminations, PTFE, Nylon, Polycarbonate, PVC, GAP Pad, Sil Pad and Kapton





### Sheeting

Advanced Seals & Gaskets carry a varied and extensive product range that is sourced from around the globe. With our 2/3rd acre facility we are able to hold considerable volumes of stock and as a result of this we are able to offer very competitive prices along with rapid lead times.

Most materials can be:

- Split on site, to any required thickness
- Supplied in sheet or continuous roll form
- Supplied with self adhesive on one or both sides
- Offered in a wide range of colours
- Supplied with either a skin or cellular finish



### Gaskets

The various materials (detailed in the accompanying chart) form only a part of our vast range of products, and with these materials and the extensive range of CNC and automatic plant, we can manufacture components to our customer's precise requirements.

Products include:

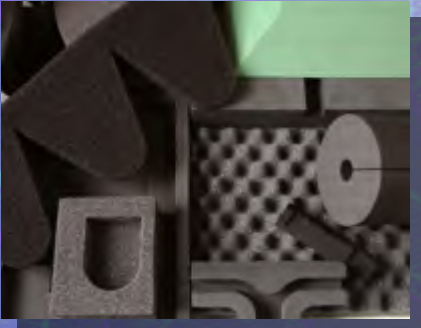
- Plain die cut parts
- Self adhesive on one or both sides
- Individually cut or kiss cut in roll form
- High volume assembly line applications
- Diaphragms
- Pads
- Washers



### Self Adhesive Tapes

Advanced Seals & Gaskets have developed a range of single sided and double sided adhesive tapes that give good adhesion to inhospitable surfaces and with this wide range of adhesive systems available, time can be saved in the assembly of our customer's products.

- Kiss cutting, in roll form for ease of application
- Fingerlift tabs
- Die cutting, washers and gaskets in shapes of any size or format
- Slitting and Rewinding, tapes cut to non-standard widths and lengths
- Lathe splitting, tapes cut to non-standard widths



### Fabrications

Our fabrication department has a wealth of knowledge and experience in the manufacture of custom made components in either large volume or one off prototype. With our extensive machining facilities we can offer lathe cut, routed and fabricated in the following:

- Packing
- Case inserts
- Joint seals
- Profiles



### Extrusions

Advanced Seals & Gaskets offer extruded profiles, manufactured to customer's specific requirements from a cross section of various sponge and solid rubber polymers. These include, Natural and Synthetic Neoprene, Nitrile, Silicone, E.P.D.M., PVC:

- Cords
- Hand built rings
- Adhesive coated profiles
- Glazing gaskets
- Door seals
- Draught excluders
- 'U' channels
- Tubing



### Mouldings

Advanced Seals & Gaskets offer either injection, transfer or compression moulding to our customer's requirements. Our experienced staff are always available to assist with technical information, design and prototypes

- Grommets
- 'O' rings
- Caps
- Plugs
- Diaphragms

Samples described here are a selection only. Many other grades of material are available to particular applications. Most can be supplied, self adhesive on one or both sides.

#### 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 40°—70° shore. Available in Neoprene, Nitrile, E.P.D.M., Shotblast Rubber, Viton and Butyl

#### A305

##### **Rubber Matting**

Available in various Rib Patterns: Fine, Flat, Broad, Cattle Matts etc. Electronically tested grade can be supplied

#### A311

##### **Medium Grade Close Cell Expanded Neoprene Sponge**

Average density 150-170Kgm<sup>3</sup>  
Specification ASTM D1056-00 2C2 B2C.  
Temperature range -20°c—+100°c.  
Applications: Gasket and strip to withstand weather heat and oil

#### A311FR

##### **Flame Retardent Medium Grade Closed Cell Neoprene Sponge**

Average density 170-220 Kgm<sup>3</sup>.  
Specification ASTM D1056-00 2C2 B2C  
Temperature range -20°c - +100°c.  
Applications: Gasket and strip to withstand weather, heat and oil

#### A312

##### **Firm Grade Closed Cell Expanded Neoprene Sponge**

Average density 170/1900 Kgm<sup>3</sup>.  
Specification ASTM D1056-00 2C3 B2C.  
Temperature range -20°c - +100°c.  
Applications: Gasket and strip to withstand weather, heat and oil

#### A314

##### **Semi Open Cell E.P.D.M Sponge.**

Average density 70/130 Kgm<sup>3</sup>  
Specification ASTM D1056-89 R99-211-80. SAE J18-79  
Temperature range -40°c - +100°c.  
Applications: Gasket sheets and strip to withstand weather, heat and ozone.

#### A316

##### **Medium Grade Closed Cell Expanded E.P.D.M Sponge.**

Average density 96/160 Kgm<sup>3</sup>.  
Specification ASTM D1056-00 2A2 B2C  
Temperature range -20°c - +85°c.  
Colour Black or White. Applications: Gaskets and strip to withstand weather, heat and ozone.

#### A317

##### **Firm Grade Closed Cell Expanded E.P.D.M Sponge**

Average density 120/150 Kgm<sup>3</sup>.  
Specification ASTM D1056-00 283 B2C  
Temperature range -40°c - +85°c.  
Colour Black or White. Applications: Gaskets and strip to withstand weather, heat and ozone.

#### A318

##### **High Temperature Closed Cell Expanded E.P.D.M Sponge**

Average density 55/70 Kg<sup>3</sup>  
Specification ASTM D1056-RE42.  
Temperature range -50°c - +128°c.  
Applications: Gasket and strip to withstand weather, heat and ozone

#### A320

##### **Closed Cell Neoprene/ E.P.D.M Blend Sponge**

Average density 120 Kg<sup>3</sup> Specification ASTM D1056 98 B2 NFR99 211, 2608, B3, C2.  
Temperature range -40°c - +100°c.  
Applications: Gasket and strip to withstand weather, acids and ozone

#### A325

##### **Closed Cell Nitrile/PVC Sponge**

Average density 55-70 Kg<sup>3</sup> Specification BS476 Class "0"  
Temperature range -50°c - +116°c.  
Applications: Gasket, rolls and strip to withstand weather, heat and oil, can also be used as a thermal insulator

#### A330

##### **Open Cell Natural Industrial Sponge Rubber**

Average density 412 Kg<sup>3</sup> Specification D1056-85 RO12 1A2  
Temperature range -40°c - +70°c. Applications: Gasket, rolls and strip where good recovery is required. Resistant to ozone

#### A335

##### **Solid Silicone Rubber**

Temperature range -60°c - +200°c.  
Hardness 60 shore  
Applications: Gaskets and strip for extreme temperatures and food quality applications

#### A336

##### **Silicone Sponge Rubber**

Temperature range -60°c - +200°c.  
Average density 250—260Kg<sup>3</sup>  
Applications: Gaskets and strip for extreme temperatures and food quality applications

#### A339

##### **Low Density Non Cross Linked Polyethylene Foam**

Average density 30Kg<sup>3</sup>  
Temperature range -30°c - +80°c.  
Applications: Leisure, routed case inserts and packaging

#### A340

##### **Expanded Cross Linked Closed Cell-Polyethylene**

Average density 30Kg<sup>3</sup>  
Temperature range -80°c - +80°c.  
Colour: Black or white  
Applications: Gaskets and strip to withstand weather

#### A341FR

##### **Closed Cell Expanded Flame Retardant Polyethylene**

Various densities available 24—33Kg<sup>3</sup>  
Flammability to FMVSS302  
Temperature range -80°c - +80°c.  
Applications: Gaskets, seals and strip to withstand weather heat and oil

#### A342

##### **High Density Expanded Cross Linked Expanded Polyethylene Foam**

Average density 100Kg<sup>3</sup>  
Temperature range -30°c - +100°c.  
Applications:

### A344

**Closed Cell Ethylene Vinyl Acetate**  
Densities include 30, 50, 100 and 167Kg<sup>3</sup>  
Applications: Where good recovery and tensile strength is required

### A345

**Expanded Closed Cell Cross Linked Polyethylene Foam**  
Average density 24Kg<sup>3</sup> Specification  
Temperature range -30°C - +80°C. Applications: Gaskets, sheet and strip to withstand weather

### A346

**Expanded Closed Cell Cross Linked Expanded Polyethylene Foam**  
Average density 45Kg<sup>3</sup>  
Temperature range -80°C - +100°C.  
Various colours available  
Applications: Gaskets, sheet and strip to withstand weather

### A347

**Expanded PVC Foam**  
Average density 100—125Kg<sup>3</sup>  
Temperature range -50°C - +70°C.  
Colour Black or white  
Applications: Gaskets and strip to withstand weather and dust. Used for automotive, facemask seals and medical applications

### A348

**Expanded PVC Foam**  
Average density 200—220Kg<sup>3</sup> Temperature range -50°C - +70°C.  
Colour Black or white  
Applications: Gaskets and strip to withstand weather and dust. Used for automotive, facemask seals and medical applications

### A350

**Open Cell Expanded Polyether Foam**  
Average density 28Kg<sup>3</sup>  
Temperature range -20°C - +100°C.  
Flammability to FMVSS302  
Colour Grey or white Applications: Gaskets and strip for dust proofing, cushions [Flame retardant grades are available]

### A351

**Open Cell Expanded Polyester Foam**  
Average density 28Kg<sup>3</sup>  
Temperature range -20°C - +100°C.  
Flammability to FMVSS302  
Colour Grey or white  
Applications: Gaskets and strip for dust proofing, cushions  
[Flame retardant grades are available]

### A352

**Closed Cell Expanded Reticulated Polyurethane Foam**  
Average density 23—27Kg<sup>3</sup>. Available from 10PPI—80PPI. Flammability to MVSS3302. Temperature range -80°C - +80°C. Applications: Filter and registration in the *automotive, air conditioning and ventilation* industries

### A354

**Acoustic Foam**  
Average density 90Kg<sup>3</sup>  
Specification BS476 Class "0"  
Applications: Fire seal and noise reduction

### A355

**Cork [Neoprene, Nitrile and Synthetic Grades]**  
Average density 275—325Kg<sup>3</sup>  
Temperature range -20°C - +120°C.  
Various ASTM specifications available  
Applications: Antivibration, cork flooring. Gasket and strip to withstand weather, oil and acid

### A360

**Industrial Felt**  
Various densities and colours available  
Applications: Gaskets and strip for oil seals

### A362

**Reconstituted Polyurethane Foam**  
Densities 2—7Kg<sup>3</sup>  
Combustion modified grades available  
Applications: Anti rattle, dust seals and cushioning

### A365

**Textiles**  
Non woven scrim, carpet and brush nylon.  
Specifications available on request

### A370

**Fibres Jointing Material**  
Available in various grades, in non asbestos fibre, red vulcanised fibre, gasket paper, leatheroid and presphan, SRBF, SBPF and paper laminates  
Applications: Gaskets and seals to withstand high temperatures

### A380

**Plastics**  
Various grade materials available, inc PVC, PTFE, Polycarbonate, Nylon and Polypropylene.  
Applications: Gaskets and seals to withstand extreme temperatures

### A390

**Electrical Insulation and Thermal Insulation**  
Mica, Nomex, Mylar, Kapton, Epoxy, Glass, SRBF, SBPF

### 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 materials.



# Our products are put to daily use throughout the world



## Building and Construction

Advanced Seals and Gaskets have a wealth of experience in the supply of specialist materials to the construction industry for:  
Insulation, Sound Absorption, Noise Control, Anti vibration etc



## Aerospace and Defence

Advanced Seals and Gaskets are able to supply a wide range of foams, rubbers and other composite materials ably to meet the stringent requirements of its military and aerospace customers throughout the western world, ASG are able to supply these materials in a variety of formats such as, Extrusions, Sheet, Strip and cut forms



## Medical and Food Preparation

Where stringent requirements for cleanliness and anti bacterial resistance is specified, Advanced Seals and Gaskets have a range of products approved by legislative bodies such as WRC for use in food preparation and laboratory conditions.



## Electrical Insulation

Advanced Seals and Gaskets can meet the every increasing need for specialist insulating materials in the power generation market for both EMI and RFI shielding. Product can be supplied to your requirements in Fabricated, Turned, Milled, Turned or Thermally formed



## Transport

Automotive interiors and exteriors, Anti rattle/squeak solutions, Lens gaskets, Door panel insulation, Rooflining, Sound deadening solutions, Interior and exterior trim Sealing solutions



## Sport and Leisure

Underlay for Boxing rings, Body protection, Swimming aids, Equestrian products  
Beauty products, Foam lining for bags

**These are only examples of our wide product range, so why not give one of our experienced sales team a call and discuss your requirements with them on:**

**01384 252555**



# ASG

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**t:** 01384 252555,

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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 ever more stringent demands and requirements of our customers.