



Global leaders in heat protection & sealing solutions

# High temperature insulation, seals and gaskets



## Understanding the issues



At Avon Group, we develop strong working relationships with our customers by gaining a clear understanding of their requirements and develop solutions that really perform - enhancing heat retention, reducing hotspots and improving efficiency. Our in-depth materials knowledge and partnership with many material manufacturers ensures we're able to design products that precisely meet customer requirements.

These partnerships have allowed us to develop exclusive materials that reduce initial binder burn-off as well as cater for bespoke product sizes that improve material utilisation and ensure a perfect fit.

In our own on-site test laboratory, our design team get under the skin of products to measure heat loss or retention and develop solutions that really do work. We are able to strip-down and rebuild appliances to test alternative insulation solutions with the aim of improving thermal efficiency, reducing energy consumption and lowering cost.



Our technical team can also advise on any issues involving manufacture or assembly of products. We're able to develop and prototype initial designs and refine the final product to make installation easier. This often includes additional overlapping flaps and tabs to ensure better insulation and more secure fitting.

Avon Group's knowledge and experience of material properties combined with this high level of support is unique in the marketplace. As a comprehensive, quality accredited, manufacturing business - not simply a materials supplier or converter - we have a proven track record of supplying products that consistently perform to the highest standards.



## Market-specific expertise



Avon Group create specialist solutions to solve an array of heat insulation and protection issues for a wide range of industrial equipment manufacturers.

Our unique combination of materials knowledge, design capability and manufacturing processes means we are able to provide a turn-key service in this sector.

With wide-ranging experience across numerous market sectors, we have an in-depth understanding of the issues facing manufacturing businesses. Our service and products are tailored to individual needs and specific challenges, whatever the application;

- Commercial catering equipment
- Domestic cookers
- Domestic gas and electric heating appliances
- Industrial plant and equipment
- Automotive vehicles and battery packs
- Domestic and industrial boilers and heating plant
- Wood burners, stoves and furnaces.



## Maintaining the supply chain

We recognise that the component, whether it's insulation material, foil, laminated fleece or heat resistant rubber may be only one part of the equation and often forms an important part of a manufacturing and supply chain that ensures the final product reaches the end-user, on time, on cost and safely. We partner with many of our customers to streamline the supply chain process by operating a highly efficient 'Just in Time' stock control and replenishment service which reduces customers reliance on holding, maintaining and controlling stock, ensuring manufacturing lines are never disrupted by lack of components.

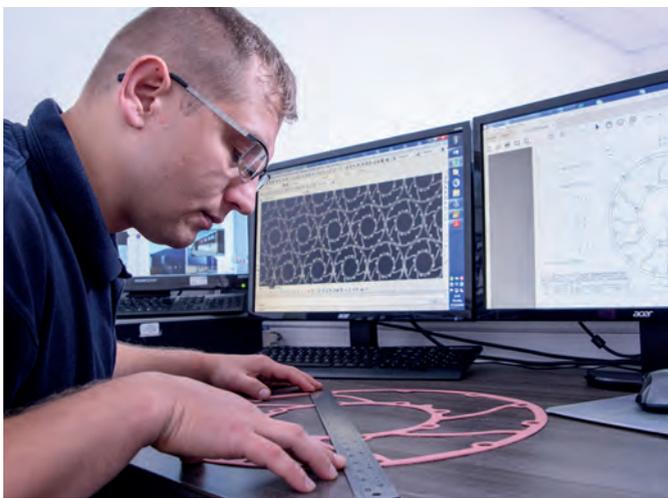
We also supply many products as part of repair, maintenance and upgrade kits and can provide a comprehensive service by assembling and combining components as complete kits, streamlining the process for field technicians and engineers.



# Manufacturing the solution

Avon Group has extensive manufacturing capabilities capable of producing products in a wide range of rigid and flexible materials to the most exacting specifications.

Utilising a range of manufacturing processes including dry knife cutting, die cutting, water jet cutting, CNC cutting, routing and laminating, we're able to maximise economies of scale and produce products swiftly and accurately to customer-specific requirements.





## The UK's leading specialist in materials engineering, design and manufacturing

Avon Group has unrivalled expertise developing and manufacturing products in a wide range of materials that solve a huge range of challenges for manufacturing businesses.

The Group is a market leader in the design and manufacture of specialist parts for the automotive, transport and industrial sectors using plastic, foam, rubber and fleece as well as other synthetic and composite materials. The Group is also a global leader in the design and manufacture of specialist sealing products for the aerosol market.

With extensive manufacturing capability in the UK and a distribution base in the USA, the Group serves the needs of customers in the UK, Europe and around the world.



[www.avon-group.co.uk](http://www.avon-group.co.uk)