

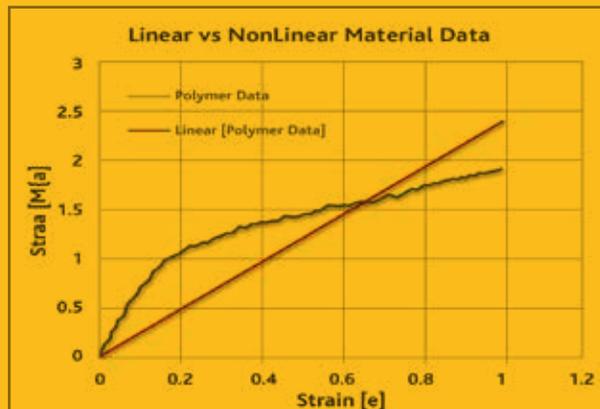
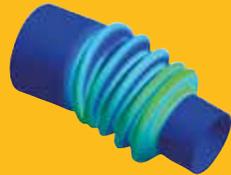
DESIGN AND DEVELOPMENT

To ensure full project management and control, along with flexibility and efficiency, Martin's Rubber has a dedicated in-house tooling department, used for the design and production of high quality, accurate tooling. We are therefore able to offer a rapid turnaround for moulded rubber products, as well as working direct with engineers and designers on development projects.

Leading-edge software packages Solidworks for CAD, and Hypermill for CAM, are used for technical precision and enable us to work in tandem with our customers on design projects. Our capability includes 5 axis CNC machining, spark erosion and surface grinding, as well as the more traditional manual turning, milling, welding and fitting skills.

FINITE ELEMENT ANALYSIS – PRE-PRODUCTION:

Martin's Rubber offers Finite Element Analysis (FEA) to enable simulation of the likely performance of real world parts. This allows for the refinement of products prior to the actual start of manufacture, and the analysis of failure modes of problem applications.



MARTIN'S RUBBER COMPANY

SUPPORTING ENGINEERING AND MANUFACTURING FOR THE FUTURE

Bearing Assemblies • Rubber Seals
PTFE Seals • Peek Seals • Gylon
Butterfly Valve Seals • Diaphragms
Bushes • Flap Valves • Battery Gaskets
Bellows • Straps • Pneumatic Seals
Hydraulic Seals • Kits of Seals
Rotary Shaft Seals • Wipers
Piston Seals • Bump Stops

Seals
O-Rings
Moulded Rubber
Bonded Assemblies
Engineering Plastics
Extrusions
Gaskets
Rubber Strip

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ABOUT MARTIN'S RUBBER

A privately-owned business under ownership of the current family since 1933, Martin's Rubber is that rare company: a traditional but progressive UK manufacturing organisation with an expertise that has allowed us to flourish in spite of changing economic and industrial trends.

One of the principal advantages of the long-established history and track record of Martin's Rubber is the experience gained across a vast range of products, processes and solutions covering virtually all industries and applications where elastomeric products have a role to play.

We have been supplying the engineering and manufacturing markets throughout the UK for over 150 years, progressing the business to keep up with technological developments and ensuring that our leading-edge business systems allow us to support the supply chains that we serve, so that we can provide up-to-the-minute feedback on jobs and manufacture to meet a specific schedule.

Martin's Rubber has the key skills to provide the expertise you need, whilst our ethos and SME status allow us to also be agile and responsive enough to meet varying demands, including extremely challenging leadtimes where required.

We are proud of our part in the UK's extensive and experienced engineering industry, and are constantly evolving to accommodate ever more demanding requirements for the hostile and highly technical environments in which our products perform.

'MEETING AND EXCEEDING OUR CUSTOMERS' EXPECTATIONS'

SEALS

Martin's Rubber is a manufacturer and supplier of seals from the full polymer range: elastomers, thermoplastics, PTFE and composite technologies. Our comprehensive portfolio of seal types ensures that our customers get the solutions they need, whether the requirement is for standard parts in volume, or a single custom-manufactured part.



With specialist materials to confer properties such as high wear and high temperature, as well as the facility to manufacture bespoke designs and test them prior to manufacture through FEA modelling and customised rig testing, we are able to offer a full consultancy service.

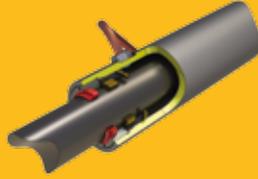
Our alliance with Garlock Sealing Technologies complements our own manufacturing facilities with high-performance fluid sealing and pipeline solutions for markets such as pharmaceuticals, food & drink and energy.

Garlock
an EnPro Industries family of companies

DYNAMIC SEALS

Piston seals - u-seals, composite seals, glide rings, quad rings.

Rod seals - o-ring energised PTFE seals, polyurethane u-seals and chevron packs



Wipers - snap-in, metal cased and standard PTFE

PS-SEAL® - Rotary shaft seals for high-performance made with a GYLON® PTFE lip for sealing against abrasive and aggressive media at high-speeds, pressures and temperatures.



STATIC SEALS

Envelope gaskets: PTFE-encased rubber, combining the low-friction and chemical-resistance of PTFE with the mechanical strength of the gasket material.

Gaskets: Pipe flanges in non-asbestos materials and bespoke gaskets from sheet materials or moulded to a profile.

Static sealing rings: O-Rings from stock or bespoke manufactured, and a complementary range of backup anti-extrusion rings.

GYLON BIO-PRO® gaskets: Specifically designed for use with TRI-CLAMP connections for the pharmaceutical and food processing industries.

O-rings: BS and imperial sizes in all the standard polymers.

We have the facility to produce kits of seals and other products to supply direct into stock to fulfil specific maintenance and production line requirements.



MATERIALS

We have materials specialists as part of our technical team to enable us to offer support and advice on challenging applications. We also work in partnership with our materials suppliers to develop leading-edge solutions for specialist industries.

RUBBER SHEETING & GASKETING MATERIALS

Martin's Rubber carries large stocks of solid and expanded sheet materials that can be hand cut into sheet, strips or bespoke components.



This same material stock is available to be used with the wide range of cutters we hold for items such as washers or ANSI pipe flange gaskets. We can provide parts within days, and will manufacture custom forme cutters for specific applications in a very short leadtime. Waterjet and CNC knife cutting is also supported where it is the best solution for the product.

Materials available include: Nitrile, EPDM, Silicone, Natural rubber, Neoprene®, Viton®, Gylon®, Non Asbestos Fibre (NAF), Diaphragm material, Cork, PTFE and closed or open cell Foams.

EXTRUSIONS

We are able to supply bespoke extrusions in a range of polymers for specialist applications; our materials expertise enables us to provide extrusions for extreme environments such as high wear, high temperature or unusual weathering conditions.

RUBBER MOULDING

Our rubber moulding facility produces a wide variety of customer-specific components in the entire range of elastomeric thermoset materials.



Martin's Rubber offers a moulding service for standard components, and mould in all common rubber compounds including Neoprene®, Nitrile, Natural & Silicone, along with specialist high performance elastomers such as Hydrogenated Nitrile, Viton®, Epichlorhydrin, Aflas® and Perfluoroelastomer. We also offer a custom compounding service in order to meet the demands of extreme environments, working with customers to develop dedicated compounds.

We also provide a specialist service for more technically advanced requirements, consulting on design and development of products and specialising in highly technical composite and rubber to metal bondings, custom bespoke parts and the prototyping of pre-production mouldings.

Get in touch to find out more about our services:

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