



FLUOROCARBON

Company Profile

One of the UK's largest fluoropolymer processors and a global supplier of PTFE, polymer related components and engineering stock shapes.

Fluorocarbon specialise in the design and manufacture of complex machined components, PTFE seals, slide bearings, skidways systems and high performance coatings. With customers who are worldwide market leaders across many business areas we ensure our products are focused on meeting their increasing demands.

Operating from 3 manufacturing sites: 2 in the UK and 1 in Europe, sales offices in Europe and the USA and partners globally, we aim to offer our customers high , cost effective solutions, from material selection and product design to manufacturing and distribution.

Quality

With a quality management system certified to ISO 9001:2015, every level of our organisation is focused on satisfying and exceeding the needs and expectations of our customers.

Emphasis is placed on quality throughout the production process commencing with incoming raw materials, through manufacture and concluding with inspection and delivery of the finished product. Using modern, qualified laboratory, we offer traceability on all products and materials and ensure the highest quality finish.

Research & Development

Offering design, development and laboratory testing facilities to handle projects from concept to full scale manufacture, our team of qualified R&D engineers and material specialists carry out on-going new material and product development projects. Using our strong relationships with worldwide partners we offer engineering solutions tailored to suit specific applications.

Materials

Based on PTFE, PEEK, PCTFE, PFA, PPS, ETFE, ECTFE and Elastomer.

Engineering plastics & stock shapes

With over 50 years of experience in the manufacture of PTFE, melt fluoropolymers and high performance polymers, our range of engineering plastics and stock shapes is one of the most extensive in the world. Using specialist equipment our products include extruded and compression moulded rod, tubing, sheet, tape and custom shapes available in unfilled or filled grades of materials, such as PTFE, PEEK, PCTFE, PFA and FEP.

High Performance Sealing Systems

We are dedicated to the design and manufacture of high performance energised PTFE seals, Fluorglide® PTFE bearings, metal sealing rings and PTFE lipped rotary shaft seals. Seals are available with rubber or metallic spring energisers in a wide range of forms and materials to meet any sealing application.

Fluoroglide® Slide Bearings, Pipe supports & Stock Shapes

Utilising our range of Fluoronoid® load bearing, low friction materials, we offer a range of PTFE slide bearings, pipe supports and skidway systems for pipeline, ship building and construction projects. With over 40 years experience, we offer a specialised design, manufacturing and consultancy service to resolving industry needs.

Machined Components

We specialise in the precision machining of fluoropolymer materials into complex components resolving industry needs. Whether prototype or volume manufacturing, our state of the art facilities including milling, turning centres, CNC lathes and multi axis CNC and sliding head machines enable us to offer a service tailored to meet specific customer requirements.

Moulded Components

Exploiting our extensive injection and transfer moulding facilities we convert the widest range of melt fluoropolymer and advanced engineering thermoplastics into precision component parts. In addition, complex PTFE components are produced by isostatic and automatic moulding processes.

High Performance Surface Coating

Fluorocarbon has been applying surface coatings for over 40 years. Breadth of experience and technical expertise enables us to offer the right coating solutions for chemical or environmental corrosion protection, low friction, abrasion resistance, non stick (release) and decorative coatings. We offer a wide range of fluoropolymer such as PTFE, FEP, PFA, ECTFE and ETFE- backed by our strong partnerships with major suppliers DuPont (Teflon®), Whitfords (Xylan®) and SBS®

High Performance Hose

PTFE hoses are designed for numerous applications involving high and low temperature, corrosive chemicals, high performance, steam, food transfer, gases, hydraulic fluids and sterile material. We offer an extensive range of Fluoroline® PTFE hose and hose assemblies in many configurations including generator, smoothbore, convoluted, braided, unbraided, heat shielded & pre-formed. All assemblies can be supplied with standard or bespoke end fittings.

Valve Seats

We manufacture a wide range of soft seat configurations across many industries supplying major global customers. Standard valve components include all grades of PTFE and modified PTFE, all types of fluoropolymer, high performance plastics and rubber; they are also available in standard sizes and specially developed materials being available on request.

Environment

Fluorocarbon regards environmental issues amongst the highest priorities. From the stages of product design through manufacturing, use and recycling, we strive to minimise any potential impact on employees, customers, the general public and the natural environment by complying with all relevant legislation.