

**Poly Fluoro Ltd is a globally recognised leader in the field of engineering plastics. Over the last thirty years, we have built our brand on quality, innovation, and outstanding customer service.**

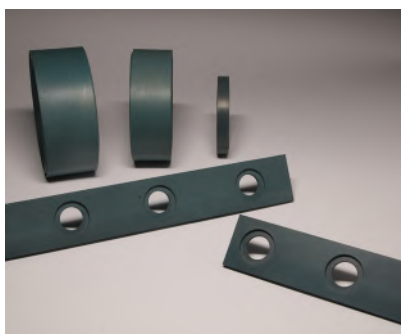
Integrating in-house processing techniques with innovative machining and fabrication capabilities, we have developed a unique range of products tailored to suit numerous applications.

Our facility is equipped with the capacity to mould, extrude, expand, and machine polymers in sizes ranging from 10mm to 500mm in diameter. Specialising in both virgin and formulated grades, we offer end-products ideally suited for use in original equipment and industrial maintenance.



### Precision Machined Polymer Components

- Capability to compression mould, injection mould and machine polymers
- Extensive portfolio spanning PTFE, PEEK, Delrin, Nylons, PVDF, PPS and Polyimides
- Best-in-class dimensional tolerances as low as 10 microns
- State-of-the-art CNC machining unit for turning, milling and turn-milling
- Inspection and full traceability to meet the most stringent quality requirements



### Lubring (Turcite®) Slideway Bearings

- Linear slideway bearing material with superior wear properties
- Is self-lubricating, offering coefficients of friction as low as 0.05
- Is fully machinable, has very low moisture absorption and high chemical resistance
- Used as wear strips, piston bands and as replacement for standard phosphor-bronze bearings in machine tool applications



### PTFE (Teflon®) Tubes

- High-precision tubes with tolerances as low as 30 microns and concentricity of >95%
- Can withstand temperatures of up to 250°C and high-corrosion environments
- Available in continuous length with diameters of 2mm going up to 30mm
- Can be incorporated with pigments and fillers to suit client end-applications
- State-of-the-art inspection facility to test for tensile properties and burst-pressures

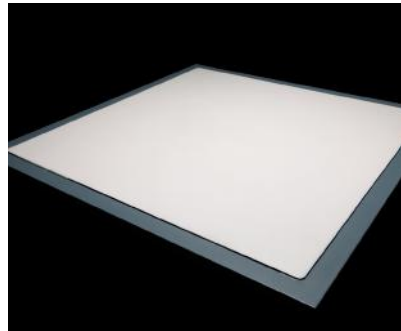


### Expanded PTFE (ePTFE) Gasket Tapes

- ePTFE joint sealant, gasket tapes offer from-in-place sealing
- Can withstand temperatures of up to 250°C and high-corrosion environments
- Stocked in standard sizes. Customized profiles can be made to client specifications

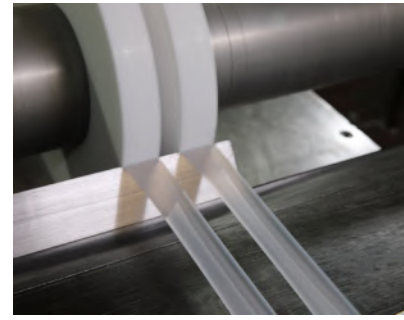
### Expanded PTFE (ePTFE) Membranes

- Quality membranes for venting in high-corrosion environments
- Allows the passage of gas, but restricts the flow of liquids
- Available in hydrophobic and oleophobic variants with customisable porosity



### PTFE Sliding Bearings

- Structural load bearings with vertical load capacities of up to 300 Tonnes
- Sliding properties offering coefficients of friction as low as 0.03
- Fully integrated design department to customize bearings as per project requirements
- Conforming to global standards including BS 5400 and IRC:83 Part III
- Used in coal-handling-plants (CHP), boiler plants, bridges and as pipe supports



### PTFE (Teflon®) Skived Films

- Insulation films having dielectric breakdown strengths of up to 150Kv/mm
- Thicknesses as low as 40 microns
- Available in continuous rolls with full customizable widths as per client requirements
- Can be chemically treated (etched) for bonding

### Key properties of engineering polymers from Poly Fluoro

- |                               |                             |
|-------------------------------|-----------------------------|
| High-strength-to-weight ratio | Low coefficient of friction |
| Thermal insulation            | Self-lubricating            |
| Electrical insulation         | Chemically inert            |
| High compressive strength     | Superior sealing            |

## The industries we cater to:

Aerospace  
Medical  
Semi-conductors  
Chemical  
Infrastructure  
Machine tool

Food processing  
Fluid transfer  
Oil & Gas  
Automotive  
Railway  
Cable and Insulation



**For more information, visit us at [www.polyfluoroltd.com](http://www.polyfluoroltd.com) or e-mail us at [enquiries@polyfluoroltd.com](mailto:enquiries@polyfluoroltd.com)**