



# PLASTIC, INSULATION & RUBBER PRODUCTS TO INDUSTRY



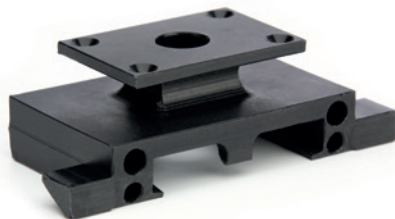
## About our Plastic Engineering

**PAR Group** are one of the UK's leading manufacturers and suppliers of engineering plastics. We have a wide range of plastic engineering facilities and have the capacity to machine, cast and fabricate plastics to exact requirements. We also stock an extensive range of engineering plastic materials. With over 35 years of experience in plastic engineering, we have an excellent reputation in supplying many different industries throughout the UK, Europe and worldwide.

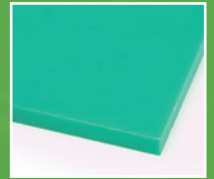
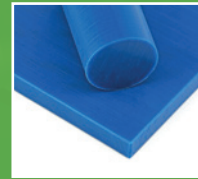
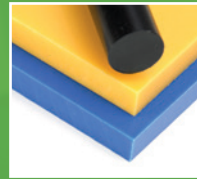
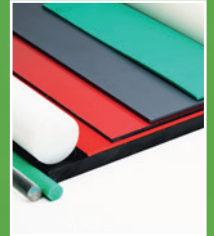
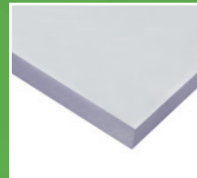
### PLASTIC MACHINING



Our plastic machining capabilities are expansive and enable us to manufacture precision components using advanced CNC technology. Facilities available include cutting, routing, turning, drilling and milling. We also have a team of experienced engineers and CAD technology, allowing us to manufacture parts to exact customer requirements. Plastic machining is suitable for single units or large quantities and quotations can be provided using existing samples or drawings. Commonly machined parts include: scrapers, rollers, sprockets, timing screws, change parts and chain guides.



### ENGINEERING PLASTICS



We stock an extensive range of plastic sheet, rod and tube materials including machining, fabrication and specialist grades. Our CNC saw facilities enable us to cut sheets up to 4000mm x 4000mm in size and up to a maximum thickness of 147mm. For stocked rods, our automatic band saw provides a billeting service for up to 300mm diameter. Below is a range of our most popular engineering plastics:

- Acetal Copolymer
- Acetal Homopolymer & Delrin®
- ABS
- Acrylic & Perspex®
- Nylon 6 Cast
- Nylon 6 Extruded
- Nylon 6 - Oil Filled
- Nylon 6 - MoS2 Filled
- Nylon 66
- PEEK
- PET & Ertalyte®
- PETG
- Polycarbonate
- Polyethylene PE300 (HDPE)
- Polyethylene PE500 (HMWPE)
- Polyethylene PE1000 (UHMW)
- UHMW - Metal Detectable
- UHMW - Ceramic Filled
- UHMW - High Temperature
- UHMW - Anti-Static
- UHMW - Electrically Conductive
- Polypropylene
- Prismatic Diffuser Panels
- PTFE
- PVC
- PVC Foam (Foamex)
- PVDF
- PEI & Ultem®
- Vespel®
- Vyton® Breathable Plastics
- Food Approved Grades
- Metal Detectable Grades



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## PLASTIC FABRICATION



We have the facilities to fabricate, form, bend, weld, bond and polish the majority of our fabricating plastic materials. The most common plastics for plastic fabrication include polycarbonate, acrylic/Perspex®, PVC, PETG and polypropylene; each providing different properties and characteristics. Certain plastic types can be flame polished on the edges for applications where aesthetics is an important factor. Commonly fabricated parts include: clear machine guards, clear chutes, hoppers, covers, trays, cabinets, boxes and containers.

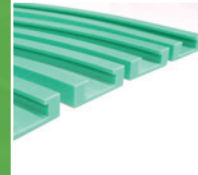


Many more products and services are available. To view our full range, please visit our website at [www.par-group.co.uk](http://www.par-group.co.uk). We serve a wide range of industries and market sectors including: food and pharmaceutical, water treatment, chemical, brewing, mining and quarrying, aerospace, power generation, packaging, recycling and distribution. With vast experience in both rubber and plastic engineering, we are renowned for our ability to provide solutions to unusual and difficult applications.



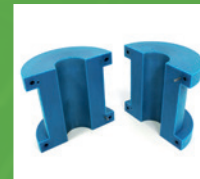
Request a copy of our latest catalogue for a more comprehensive overview of our product range.

## WEAR STRIPS & CHAIN GUIDES



Extruded wear strips are manufactured in an extensive range of shapes and profiles. They are manufactured from Polyethylene PE1000 (UHMW) as standard, which provides a high wear resistance and an extremely low coefficient of friction. Most wear strips are FDA approved for direct contact with food. Stainless steel backed wear strips are also available along with a range of carrier profiles in both aluminium and stainless steel. We can also manufacture machined wear strips, wear bends and chain guides to any profile required.

## NYLON CASTING



Nylon casting is ideal for manufacturing large sheets, rods, or tubes that are not always readily available. The manufacturing process is suitable for producing a consistent plastic component required on a regular basis. We manufacture our own cast nylon 6 in rod, sheet and tube and hold tooling for a wide range of standard sizes. We also cast a number of different grades which provide additional benefits, such as CMF (MoS2 filled for better wear resistance, lower friction and greater heat stability) and COF (lubricated with oil for faster speeds, higher loads, and lower moisture absorption).



PAR Group now supply a wide range of products via our online shop, **PAR Direct**.

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