



# A guide to TRP's types of polymer materials

TRP Polymer Solutions are a leading manufacturer of custom rubber moulded products, formulated from various types of polymer. With over 35 years' experience in manufacturing a wide range of custom moulded polymer products, we often solve problems where standard solutions have failed.

## Custom moulded polymer products

At TRP Polymer Solutions, we have a world class capability of supplying a wide range of custom moulded polymer products, from an extensive database of polymer formations. We utilise our skills and material selection to offer companies worldwide custom manufactured sealing products manufactured from the latest polymers.

## Types of polymers

In order to supply bespoke products to meet demanding industry requirements, our polymer solutions are made from only the most durable polymer materials. Below we outline just a few of the types of polymer materials that we employ at TRP Polymer Solutions.

- Natural Rubber (NR)
- Isoprene (IR)
- Butadiene (BR)
- Styrene Butadiene (SBR)
- Butyl (IIR)
- Ethylene Propylene Diene Monomer (EPDM)
- Nitrile (NBR)
- Hydrogenated Nitrile (HNBR)
- Polychloroprene (CR)
- Chlorosulphonated Polyethylene (CSM)
- Polyurethane (AU/EU)
- Silicone (MQ / VMQ)
- Fluorosilicone (FVMQ)
- Tetrafluoroethylene/propylene dipolymer (FEPM)
- Fluorocarbon (FKM)
- Perfluoroelastomer (FFKM)



The above types of polymer are formulated to meet specific customer requirements. These may include:

- Hardness
- Tensile strength
- Temperature resistance
- Elongation at break
- Chemical resistance
- Compression set
- Colours

As a leading manufacturing company of robust and durable sealing products, TRP Polymer Solutions understands the need for custom made polymer products for demanding applications and environments. As developers of sealing solutions, we can provide advice on suitable types of polymers for your specific application.

For more information on our range of polymer products, please visit our website. For further enquires, contact our technical experts. We will be pleased to offer advice on material selection and our services on offer.