ERIKS Gasket Technology, Leaders in the manufacture and supply of sealing and insulation products are proud to introduce our SIRTEC range.

We offer a wide selection of custom made rubber components to meet your requirements ranging from cellular sponge rubber gaskets, tapes and sealing strips to 'O' rings, extrusions and bespoke rubber mouldings.

Rubber is used in many industrial and domestic applications because it provides and maintains elastic properties across a wide range of working conditions.

Introducing SIRTEC from ERIKS Gasket Technology

Benefits of Rubber
Rubber is a versatile material which possesses idealised and idealised properties across many applications including:

- Excellent seal and gasket properties
- Resistant to a wide range of temperatures and pressures
- Excellent dimensional stability
- Electrostatic properties
- Electrical properties
- Flame retardant
- Food contact
- Oil and petroleum resistance
- Water penetration
- Gas tightness
- Reinforces and strengthens
- Resistant to a wide range of chemicals

Extrusions
We are able to offer extruded profiles, tubes, seals and profiles to your requirements in a range of hardnesses and compounds.

Please contact us for more details.

Cellular Sponge Rubber

Introducing SIRTEC from ERIKS Gasket Technology

We offer a wide selection of cellular sponge rubber components to meet your requirements ranging from cellular sponge rubber gaskets, tapes and sealing strips to 'O' rings, extrusions and bespoke rubber mouldings.

Cellular Sponge Rubber design, manufacture, supply

SIRTEC Solutions in Rubber

ERIKS Gasket Technology supplies custom made moulded components to your specifications in both small prototype batches to large volume production quantities.

Products can range from intricate custom mouldings, heat exchanger gaskets, and case seals made to your requirements through to washers, grommets, diaphragms, bellows and hoses. These parts can be manufactured in a wide selection of compounds and performances to suit your application.

The dimensional tolerances on mouldings are generally addressed as normalLimits of mouldings are generally specified in accordance with ISO 3302-1 Class M2. Generally, the dimensional tolerances are critical to design and manufacturing and should be carefully considered.

The measurement of a compound's loss of elastic memory is known as it's compression set. It is usually stated that the better the elastomeric memory, the lower the compression set. This is an important feature of any compound, as leakage may occur if compression set is high.

O' Rings
ERIKS Gasket Technology offer high quality 'O' rings produced in accordance with ISO 3601 and controlled with high precision.

Please contact us for more details.

Quality Assurance for your rubber parts

In addition to our customers standard test procedures, our Rubber Technology Centre is able to offer different services for quality assurance systems, including:

- Baseline tests at ambient temperatures – hardness, specific gravity and tensile testing.
- Accelerated aging in air (70 hours) – hardness, tensile, weight change and elongation testing.
- Resistance to liquids (70 hours) – hardness, tensile, weight and volume change and elongation testing.
- Compression set.
- Material composition fingerprint (test only – no analysis) – FTIR and TGA.
- Ozone resistance.
- DSC – melting points, glass transitions and specific heat.

Other special testing is available upon request. Please contact us for prices on tests you require.
<table>
<thead>
<tr>
<th>Description</th>
<th>Common Name</th>
<th>Tensile Strength</th>
<th>Elongation</th>
<th>Elasticity</th>
<th>Tear Resistance</th>
<th>Ageing Resistance</th>
<th>Ozone Resistance</th>
<th>Fuel Resistance</th>
<th>Acid Resistance</th>
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**Key & Abbreviations**

- **Outstanding:**
- **Good:**
- **Fair:**
- **Poor:**
- **Above:**

**Grade Number (1= No Suffix requirement)**

- **Type (Heat resistance):**
- **Class (Oil Resistance):**
- **Suffix Letter:**
  - B: Compression Set
  - EF: Fuel Fluid Resistance
  - G: Tear Resistance
  - R: Resilience in Compression

**2nd Digit = Test Temperature**

**NB:** The above is an extract, please check ASTM D2000 for up to date information.

**It is important to note that the “Z” callouts are meaningless unless the requirement is specified. In the case of the above line call out, the callout indicates that the requirement is not applicable.**

**Tolerances DIN ISO 3302 -1 (BS 3734) Rubber Parts**

- **Polyethylene:** 6.30
- **Polyurethane:** 6.30
- **Polyvinyl Chloride:** 6.30
- **Silicone:** 6.30
- **Viton:** 6.30
- **Teflon:** 6.30

**Nominal Expansion (mm) Case MR: Pressure tested Case WC: Commercial tested**

- **Alone:**
  - 0.08
  - 0.10
  - 0.15
  - 0.20
  - 0.25
  - 0.30
  - 0.35
  - 1.00
  - 2.00
  - 3.00

- **Above:**
  - 0.08
  - 0.10
  - 0.15
  - 0.20
  - 0.25
  - 0.30
  - 0.35

**ERIKS Gasket Technology**