

Company

SECİL's highly automated factory in Turkey and Belarus produce thousands of different seals every year, with a high level of quality management for different sectors. We have know-how regarding rubber mixing, moulding, machinery, rubber extrusion, and injection. Experience on different production processes like covered seals, mono, co-ex, tri-ex, with cord, metal insert or many others.

Seal Quality & Performance

SECİL quality controls from incoming raw materials to finished products are made by specialists independent of the production process of Secil. Tests are also made by third part controlling company upon demand. This double quality control guarantees a constant quality of all SECİL products.

GRP (CTP) Systems

Seals for GRP (Glassfibre Reinforced Plastic) Applications



CERTIFICATIONS

SECİL KAUCUK is extensively involved with standardization committees and collaboration with leading testing institutes and authorities around the world. SECİL KAUCUK is also a customer-driven company. If customers require certificates that demonstrate compliance with various standards SECİL KAUCUK will apply for the certification process at the competent institutions.



Example of authorities Seçil Kauçuk cooperating with



FACTORY / HEAD OFFICE
Tarsus Adana Karayolu 7. Km. 33400 Tarsus-Mersin /TURKEY
Phone: +90 324 616 11 40 Fax: +90 324 616 04 04
Web: www.seciltr.com E-Mail: seciltr@seciltr.com





We are pleased to offer our elastomeric seals for use in GRP (glass fibre reinforced plastics) pipes. Our range of EPDM seals can be used for GRP all pipe jointing methods and jacking pipe applications. Glassfiber reinforced (GR) plastic (P) is a composite consisting of at least two different materials. The benefits of each material are united to achieve an overall effect. All our GRP gaskets meet the requirements and tolerances set by BS EN 681-1:1996 type WA and WC in addition to purchase acceptance standards set by customers.

Material

- EPDM rubber mixing is our main strength.
- SBR, NBR or different material are available on inquiry.
- In all cases, we use compound from our own mixing facilities.
- Ready EPDM compound 40-50-60-70 IRHD according to TSE and EN 681-1
- Other standards are available on request.
- EPDM is the most popular material protected against ozone and high chemical resistance.
- Oil resistant grades are available on request.
- EPDM can be expected to outlast the pipes lifetime.

Seal Packing & Marking

- Different packing possibilities prepared on our customer needs.
- Secil seals are marked with seal dimension and the date of manufacture.
- The box is labelled with the corresponding data.

➤ GRP (Glassfiber Reinforced Plastic) Full Face Coupling Pipe Seals

The couplings consist of a GRP sleeve with a permanently fitted, full width EPDM gasket seal.

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GRP couplings have full face EPDM rubber gaskets which comply with EN 681-1 Type WA/WC (Elastomeric seals: Materials requirements for pipe joint seals used in water and drainage applications).

The design of the EPDM gaskets GRP couplings is based on the following parameters:

- EPDM rubbers have excellent resistance to heat, oxidation, ozone and weathering due to their stable, saturated polymer backbone structure.
- The EPDM gaskets are positioned and bonded to the coupling body. This approach eliminates the need to position the gasket on site.
- GRP Coupling gasket is designed to provide quick, easy and safe installation on site.

➤ GRP (Glassfiber Reinforced Plastic) Full Face Coupling Pipe Seals



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- The renowned System is composed of two gaskets and one stopper.

We have also a range of EPDM seals suitable for use in GRP Jacking Pipe applications and bell or spigot seals.

➤ Seal Design & Requirements

Secil work closely together with pipe and machine manufacturers with regard to design of correct pipe seals. We have know-how regarding pipe production and seal assembly. We can also provide technical support to our customers with sales support in different languages in a range of different countries.

- * Values and properties shown in diagrams and tables are not subject to any guarantees. Our warranty is limited to the values and properties as required by the relevant standards.
- * Our literature, data sheets and recommendations represent our knowledge at the time of printing but are in no way legally binding on us. Our "General Conditions of Sale" apply to all sales.

