

**HIGH PERFORMANCE RUBBER COMPONENTS**

*- for demanding applications*





# Quality and know-how

## Development, production and sale of rubber solutions with high demands on quality and know-how.

AVK GUMMI generates value for our customers through a sustainable, qualitative and target-oriented development. Our core values are Quality, Innovation, Co-operation, Professionalism and Credibility.

Whether you manufacture components for the drinking water sector or process equipment for use in the food industry, the healthcare or the chemical industry, AVK GUMMI can offer you the highest degree of security - also with respect to regulations and requirements concerning traceability.

**Comprehensive research and development** - For many years AVK GUMMI has developed rubber compounds for demanding applications. In addition, we have acquired sound experience in manufacturing many different sealing elements - e.g. for valves, pumps and filling equipment, used in dairies and breweries. Under extreme conditions, leak tight sealings alone are not sufficient. We focus equally on properties such as:

- Long lifetime
- Minimum permanent deformation
- Resistance to cleaning agents and products
- Cold flexibility
- Hygienic design
- Taste and smell neutrality
- Friction etc.

Based on the demands of our customers we find the right rubber solutions - AVK GUMMI makes every effort to obtain the ideal combination of the many parameters available in order to optimise the function and durability of the sealings. This is achieved through target-oriented research in our R&D department in addition to close collaboration with customers, end users, leading suppliers and research institutes.

AVK GUMMI lives up to all the relevant requirements, including EN 1935/2004, 3-A Sanitary Standards, REACH, RoHS and ADIF. During the manufacturing process, data are collected continuously and stored for a minimum of five years or 20 years for medico products. By agreement, rubber components can be marked with information such as the type of rubber and production date.

**What does this mean to you?** - Optimum function and prolonged lifetime means a reduction in production interruption and therefore higher productivity, which again results in considerable savings for the end user.

AVK GUMMI always focuses on optimising the relation between price and performance.



**Composites** - AVK GUMMI manufactures high quality composite components. As an example, the illustration in the left hand corner shows a diaphragm in which EPDM and PTFE have been combined.



We have extensive experience of bonding rubber with stainless steel, various synthetics and fabrics. Bonding between materials must meet the highest quality demands. Therefore, AVK GUMMI has developed unique methods for pretreatment and the application of bonding agents. We cooperate closely with suppliers and research institutes in order to develop bonding agents that have been adjusted to the demands of our customers.

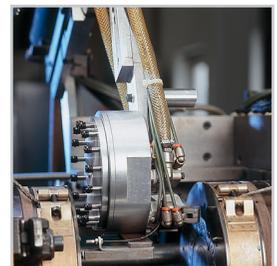


# More than just rubber sealings

**State-of-the-art mixing facilities** - At AVK GUMMI we develop our own rubber qualities that we produce in our mixing plant. This means that all our know-how concerning materials, properties and manufacturing processes is gathered in one integrated unit. Based on the above, we are thus able to give our customers the best advice as to which rubber is the most suitable for a given application. This guarantees that the part supplied meets your specifications every time.

AVK GUMMI has one of the world's most advanced, fully automatic mixing plants. The raw materials are weighed and dosed automatically and with the greatest precision, which makes it possible for AVK GUMMI to manufacture rubber compounds of a uniquely high quality and uniformity. This reduces the risk of human error considerably.

Each charge subsequently undergoes thorough inspection prior to production release. The rubber compounds used for production at AVK Sealing Technology in China and AVK Ravestein in The Netherlands are produced in our Danish mixing plant and transported in climate controlled containers ensuring that the unique properties and the durability of the rubber is maintained.



*Automated zero defect production*



*Date marking facilitates traceability*



*Measuring and visual examination*



*High-qualitative EPDM - also superior in dairy applications*



*Improved properties through systematic R&D*



All materials are different. Due to the unique properties of rubber, it is often possible to combine various functional requirements. For instance, we manufacture a fuel intake pipe for a chainsaw in one of our heat and fuel resistant fluoroelastomer compounds, which also provides the required vibration dampening.

For other products, we use a combination of antistatic and fire retarding properties, and for instance for the marine engine industry, we offer impeller solutions with high demands on durability and flow rate.





AVK GUMMI manufactures very high quality rubber components for use in demanding applications. The drinking water sector, the food industry and the healthcare and chemical industries are primary segments. AVK GUMMI is among the world leaders in these areas.



Rubber production started back in 1955 and is carried out today with modern, high-tech machinery. In 2001 AVK GUMMI commissioned one of the world's most advanced, fully automatic rubber mixing plants.

In 2004 AVK GUMMI established the subsidiary AVK Sealing Technology in Kunshan, China, and in 2019 Ravestein BV, now AVK Ravestein BV, in the Netherlands was acquired.

At AVK GUMMI we are convinced that focusing on quality and the environment pays - not only at our factory in Denmark, but also at our factories in China and The Netherlands. Our management system is certified in accordance with ISO 9001 and IATF 16949 as well as ISO 45001 and ISO 14001.

These systems include control of each rubber compound, full traceability, SPC control, FMEA and an extraordinarily clean production environment. This makes it possible for us to supply our co-operative partners with rubber components of a constantly high quality.



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