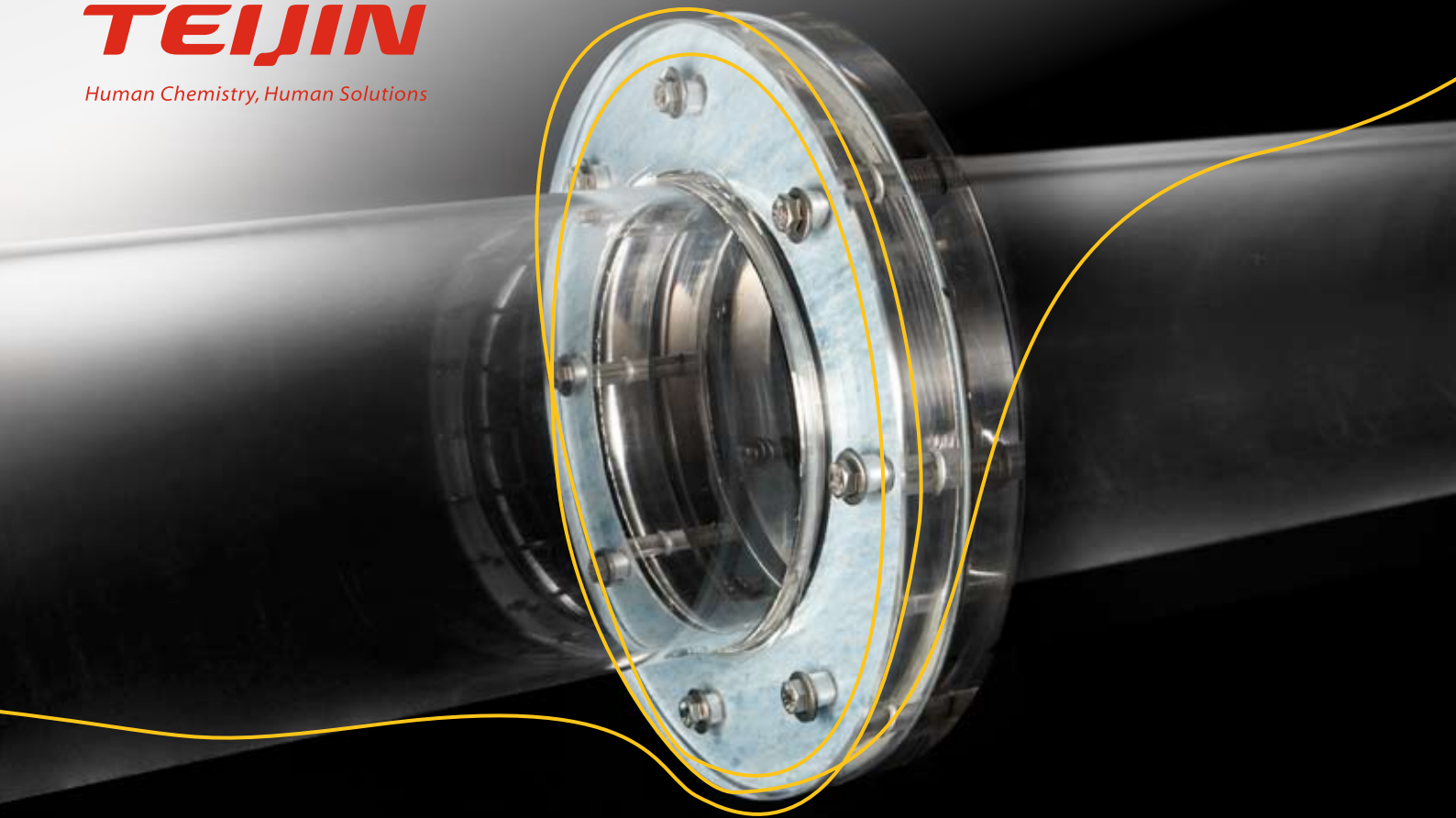


# TEIJIN

Human Chemistry, Human Solutions



# Long-lasting sealing solutions

## Market requirements for modern gaskets

**With growing demand for durability and greater environmental awareness around the globe, high-quality gaskets containing Twaron pulp offer a reliable solution.**

In recent decades the sealing industry has also faced a major challenge in replacing asbestos with safer materials and aramid pulp has played an important role in this transition. Soft, easy-to-use gaskets containing Twaron aramid pulp enhance sealability, while extending lifetimes and reducing emissions.

### Key benefits when using Twaron

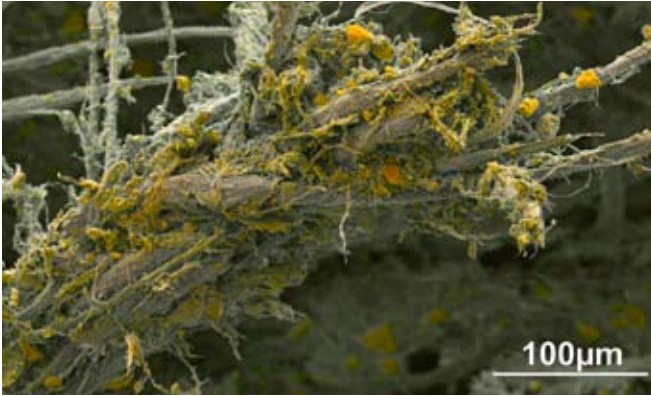
- Resists high temperatures
- Provides an excellent mechanical bond
- Reinforces the gasket mix, resulting in:
  - Higher production speeds
  - Higher roll pressures
- Stands up well to extreme mixing conditions

# Twaron®

The power of Aramid

### Strong, flexible bond

Fiber-based gaskets are usually produced in a calendaring process, in which tailor-made combinations of fibers, fillers, rubber and other substances are formed into sheets. Thanks to its unique fibrillation, Twaron pulp creates a good mechanical bond with the surrounding filler and rubber matrix and thus stabilizes the gasket mix as well as the processed sheets. By transferring its high strength and elasticity to the matrix, Twaron pulp plays a key role in reinforcement. This ensures optimum cohesion of the layers on the calendar, which allows higher roll pressures.



*Twaron fibers embedded in rubber compounds.*

### Finding the perfect product

You can choose the particular pulp product that meets your specific needs. At Teijin Aramid we offer a broad range of pulp types combining shorter and longer fiber lengths and different degrees of fibrillation. We also provide support in finding the optimum solution for your application.

### A wide spectrum of applications

Calendered gaskets containing Twaron pulp are used in cylinder heads in automobiles and motorcycles as well as in exhaust systems and power trains. The chemical, oil and gas industries, as well as power plants, rely on Twaron-based soft gaskets for perfectly sealed flange connections, which ensure safe process conditions and minimize environmental risks.

In all applications Twaron pulp benefits both gasket producers and users, ensuring high quality where it is needed most.



For more information, please email us at [sealing@teijinaramid.com](mailto:sealing@teijinaramid.com) or visit [www.teijinaramid.com](http://www.teijinaramid.com)

*We do not accept any liability for the results of the use of these products. The technical data in this leaflet reflects our best knowledge at the time of publication. The content of this leaflet is subject to change, depending on new developments and findings, and a similar reservation applies to the properties described in it.*

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The power of Aramid