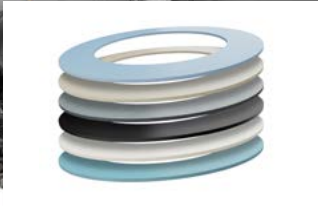




# Tran-SECURE™ Flat Gaskets

FOR CHEMICAL TRANSPORTATION APPLICATIONS



**Trelleborg's Tran-SECURE™ flat gaskets are available in a wide range of standard and custom materials to meet chemical transportation requirements to get service cars back on track quickly.**

Transporting corrosive, flammable or otherwise hazardous materials requires meticulous prevention of leakage and contamination. Engineered sealing solutions, like Trelleborg's Tran-SECURE™ flat gaskets, are crucial for safe delivery. These gaskets, made for the chemical transportation industry, offer a wide variety of materials and custom options to ensure optimal chemical compatibility and minimize the risk of non-accident releases (NARs).

## Material Matters

Trelleborg's Tran-SECURE™ flat gaskets are part of a complete sealing package, including seals, gaskets and repair kits for chemical transportation. Available in an extensive range of materials, including compressed non-asbestos fiber (CNAF), elastomers, flexible graphite and polytetrafluoroethylene (PTFE) and custom geometries, these gaskets are cut in-house. Our experts collaborate with customers to ensure chemical compatibility and minimize NARs. Complying with ISO 9001:2015, we offer sealing solutions to meet complex, specific needs, while ensuring all gaskets meet the highest quality standards. Additionally, we provide torque recommendations and installation guidelines for Original Equipment Manufacturers (OEMs) and fleets.

Most materials in 1/16 inch, 1/8 inch and 1/4 inch thickness are in stock and available to ship within 24 hours, giving you peace of mind that your tank car will be back on track quickly.

## Features and Benefits

- Fully controlled process – from formulation to finished product – ensures quality and consistency to help prevent NARs
- Leading material portfolio
- Cost-effective sealing solution
- Standard and custom parts available in a full range of geometries
- Cutting capability 55 inches wide x 110 inches long and up to 1/2 inch thick
- No tooling required for quick turnaround times
- In stock for shipment within 24 hours at [www.chemtransportsealsshop.com](http://www.chemtransportsealsshop.com)
- Largest brand name materials stocked
- Made in the USA

## In-house Fabrication

The Tran-SECURE™ flat gasket product line is fabricated in our ISO 9001:2015 certified ServicePLUS facility using all-new, state-of-the-art production and testing equipment. All production parts go through a rigorous inspection process, which includes use of a high-precision image dimension measurement system to ensure all products meet even the most demanding quality requirements.

## TRAN-SECURE™ FLAT GASKETS

### State-of-the-Art Material Portfolio

#### FLATSEAL™ HMF17

- Innovative mix of high-quality aramid fibers, special functional fillers and Nitrile Butadiene Rubber (NBR)
- Excellent adaptability to unevenness at minimum surface pressure levels
- Suitable for use with oils, lubricants, greases, fuels, cooling agents and other media
- Recommended temperature range: -148 °F to +300 °F/-100 °C to +150 °C
- Recommended pressure up to 1,450 psi/100 bar

#### FLATSEAL™ HMF18

- Blend of high-quality aramid fibers, special functional fillers and NBR
- Three times higher adaptability to flange unevenness compared to classic fiber gaskets
- Suitable for use with water, steam, oils, lubricants, hydrocarbons, greases, fuels, cooling agents, chlorine and other media
- Recommended temperature range: -148 °F to +392 °F/-100 °C to +200 °C
- Recommended pressure up to 1,800 psi/125 bar

#### FLATSEAL™ HMF31

- High-purity graphite foil combined with an expanded metal layer
- Special impregnation minimizes leakage to meet fugitive emissions requirements
- Suitable for use in high-temperature applications with steam, heat carrier oil, aggressive chemicals, exhaust gas and other media
- Recommended temperature range: -450 °F to +1,000 °F/-267 °C to +537 °C
- Recommended pressure up to 2,900 psi/200 bar

#### FLATSEAL™ HMF41

- Innovative combination of modified PTFE and hollow glass microspheres
- Unique flexibility for ease of handling and installation
- Effective sealing performance on uneven or moderately damaged surfaces
- Near universal chemical compatibility
- Recommended temperature range: -450 °F to +527 °F/-267 °C to +275 °C
- Recommended pressure up to 800 psi/55 bar

#### FLATSEAL™ HMF45

- High-purity, multidirectional, expanded PTFE
- Robust material with high compression properties, which provide good adaptability to flange unevenness
- Near universal chemical compatibility
- Recommended temperature range: -450 °F to +527 °F/-267 °C to +275 °C
- Recommended pressure up to 1,450 psi/100 bar



### Seals Shop Online Ordering



#### ONLINE ORDERING

Our in-stock gaskets give you peace of mind that your tank car will be back on track quickly. For convenient 24/7 online ordering, scan the QR code or visit [www.chemtransportsealsshop.com](http://www.chemtransportsealsshop.com)



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