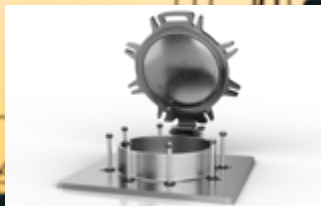


Tran-SECURE™ Manway Gaskets

FOR TANK CAR APPLICATIONS



Manway lid and nozzle gaskets from Trelleborg Sealing Solutions provide superior, low-pressure sealing to ensure safe chemical transportation.

Trelleborg's Turcon® Tran-SECURE™ polytetrafluoroethylene (PTFE) and fluoroelastomer (FKM) manway lid and nozzle gaskets are specially designed to provide superior, low-pressure sealing performance in UTC-1, TRN-1 and AAR-1 style 20-inch manways, even when transporting the most aggressive chemicals.

Produced to match customer needs, we manufacture all gaskets in-house in ISO 9001- and ISO 14001-certified facilities using our own formulated materials. We maintain complete control of the product from formulation to finished gasket, so you are assured high quality and full traceability.

Installation and Torque

Trelleborg works with original equipment manufacturers (OEMs) and fleets to provide the correct torque recommendations and installation guidelines based on the manway equipment and gasket material used. Adhering to the specified procedure prevents damage to the gasket and minimizes the risk of non-accident release (NARs).

Features and Benefits

- Fully-controlled process, from formulation to finished product, ensures quality and consistency to help prevent NARs
- Single-piece chevron design for lid and manway gaskets in both FKM and Turcon® PTFE provides superior sealability
- Turcon® glass-reinforced PTFE delivers improved compressive and tensile strength while minimizing creep relaxation to ensure a tight seal over an extended period
- Turcon® PTFE material enables use without retraining
- Lid gasket featuring "J" style design in FKM provides enhanced chemical resistance, robust mechanical strength and a leak tight seal
- Cost-effective sealing solution
- In stock for shipment within 24 hours at www.chemtransportsealsshop.com
- Made in the USA

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.



Tran-SECURE™ MANWAY GASKETS

Material specifications

Turcon® PTFE with glass additives

Temperature capability:	-328 °F to +500 °F/-200 °C to +260 °C
Elongation at break:	250%
Tensile strength at break:	2,900 psi/20 MPa
Ball indentation hardness:	4,061 psi/28 MPa

FKM

Temperature capability:	+5 °F to +437 °F/-15 °C to +225 °C
Elongation at break:	185%
Tensile strength at break:	1,900 psi/13.1 MPa
Hardness:	75 +/-5 IRHD

Manway Gasket Testing

We conducted bolt torque retention testing on the Turcon® T06 PTFE gasket, FKM lid gasket and three of the most commonly used competitive manway seals.

The seals were installed on a manway rig and pressurized with air up to 200 psi/1.38 MPa. After 10 minutes, the leak rate was measured in lb-in/s (N-m/s) for all five seals.

The system was depressurized and allowed to sit for 24 hours, then ft-lbs (N-m) of torque retention was measured. Of the five gaskets tested, the Trelleborg designs had the lowest leak rates and demonstrated outstanding torque retention.

Leak Rate vs. Torque Retention
Manway Gasket, 200 psi/1.38 MPa

