

PEREL® TANK CAP SEAL

**PTFE
special sealing
for manholes on
tank wagons**



tight secure clean long life clean safe good

Special sealing for folding tank caps according to DIN EN 12 561-6

Safety for transport of liquid chemicals

No contamination of the goods by the sealing material

The permanent flexibility of the Perel® seal is the key for long lasting tightness

Long life because of tough design and very small stress on the sealing

Adaptability at rough surfaces and simple assembling

Compact and dimensionally stable

Stable against all chemicals

Environmentally friendly because of high tightness

Storable without hardening or ageing



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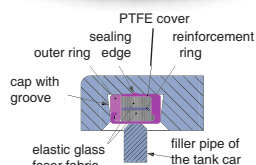
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Structural principle of the Perel® tank cap seal

Chip-taking made cover from PTFE or TFM PTFE allows a clean sealing of manhole caps on chemical wagons. There is no contamination of the carriage contents by sealing components. PTFE is resistant practically to all chemicals. TFM PTFE has, in addition, a decreased permeability and better mechanical qualities like the low flow under load.

The soft material insert exists of PTFE impregnated fiberglass fabric. The fiber structure is the basis of the constantly elasticity of the PEREL sealing allows the outstanding qualities. The chemically practically inert fiberglass insert has good emergency sealing qualities, for example, by damage of the cover. The cup seal of the type PE has an extremely long state time, has a high liability and also stands firm to coarse contact. Production kind, product and name are a property of the Gommec S.A., Switzerland.

Tank cap seal type PE



technical data

cover of the sealing
PTFE
or TFM PTFE

Outer ring
PTFE

specific values of the sealing

Q_{min} 4 MPa
 Q_{SMAX} 20 MPa
 Q_{CRIT} 40 MPa

installation information

Insert sealing by hand in the clean groove.

Pay attention to right position; sealing edge on basis of the groove

Reinforcement ring
1.4404
(type PE/PTFE)
1.4571
(type PE/TFM)

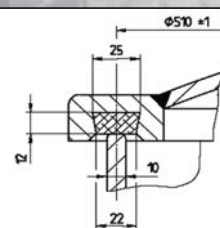
Soft material insert
PTFE
glass fibre kernel

Temperature
- 80°C
up to 200°C

Test pressure
4,5 bar

Suit torque:
Tight toggle female screws by hand or with adequate lengthening pull.

The sealing is already tight with low surface pressure.
Recommended installation surface pressure in the working condition:
From 8 to 12 MPa.



Dimensions of the seal according to EN 12 661-6, avg. sealing diameter 510 \pm 1 mm