

KWO® CellFlon®-white

Gasketing Tape



High purity for the application in high demanding applications

KWO® CellFlon®-white is the universally applicable gasket for a safe and cost-effective use in plastic and steel flanges in highly aggressive and highly pure applications.

It is self adhesive and the ideal form-in-place gasket for on-site manufacturing of any required gasket shape - with no preparation, delivery time and costly off-cuts of usual punched gaskets.

KWO® CellFlon®-white offers highest product safety by the use of 100% pure Teflon® PTFE without any fillers.

Due to its microcellular structure CellFlon®-white has much lower gasket relaxation and compressive creep than other standard unfilled PTFE gasket tapes.



Key Features

- highest chemical resistance
- 100% pure microcellular PTFE
- conform to the FDA regulations
- high adaptability
- high recovery
- low creep and relaxation

Benefits

- universal use
- good sealability
- shortens maintenance stops
- easily to install and remove
- good sealability
- reduces total costs

Product Data

Material

100 % pure virginal Teflon® PTFE with microcellular structure

Chemical Resistance

universally resistant except to dissolved and molten alkaline metals and elemental fluorine at raised temperatures and pressures

Resistance to Ageing

in the permissible range of application there is no ageing of KWO® CellFlon®-white. Depending on storage conditions the adhesive force of the backside glue strip can change.

Temperature Range of the Material

-240 °C to +270°C intermittent to +315 °C (-400°F to 518°F intermittent to 600°F)

Recommended Conditions

-240 °C to +150 °C (-400°F to +302°F), at simultaneous operating pressure from vacuum to 16 bar (232 psig), depending on installation and service conditions

Pressure Range

pressure resistance generally depends on the the installation and service parameters, please pay attention to proper installation

Safety

complies to FDA 21 CFR 177.1550 (PTFE - requirements for food)

KWO® CellFlon® -white

Gasketing Tape

Universal Use

KWO® CellFlon® -white Gasketing Tape is available in different width. It can easily be used without the need of pre-cutting and is therefore ideal for the fast on-site manufacturing of round or angular gaskets in chemically high demanding process arrangements.

Typical Properties:

DIN EN 13555

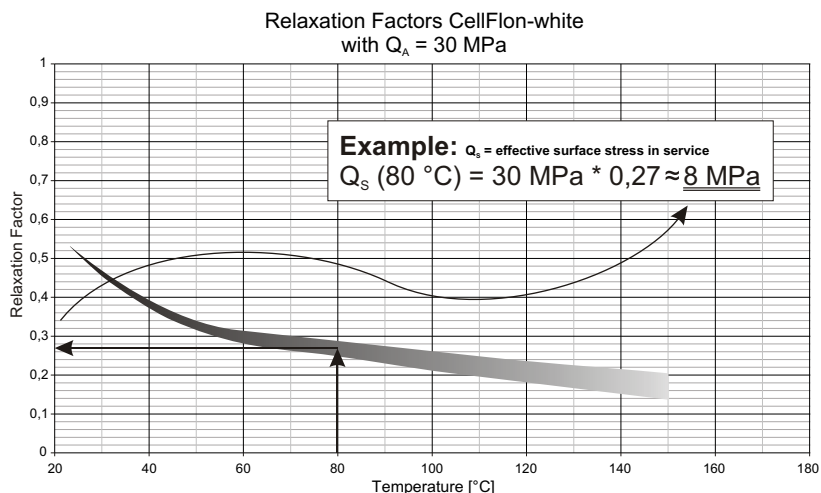
$Q_{min(0,01)}$ = 25 MPa
 $Q_{Smin(0,01)}$ = 5 MPa
 Q_{Smax} = 150 MPa

ASTM F-36

Compressibility = 68 %
 Recovery = 10 %

ASTM F-38

Creep Relaxation = 65 %



Quick Maintenance

KWO® CellFlon-white Gasket Tape is optimum for manufacturing large diameter gaskets or complex shapes directly on-site. It does not require preparations like punching or segmentation and therefore saves time and costs.

Order Information and Available Sizes

KWO® CellFlon® -white

Article-No.	Size [mm]	Standard Lengths [m]		
440930	9 x 3		25	50
441430	14 x 3	10	25	50
441930	19 x 3	10	25	

General Information

All technical information and advice are based on our experience and are to the best of our knowledge, but do not state any liability by our company. Specifications and values must always be checked by the customers, for they are the only ones that can judge the efficiency of a product taking into account all of the on-site operating conditions.

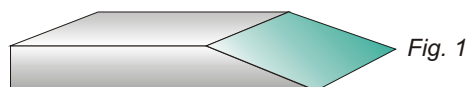
Your KWO®-Partner:

Easy Installation

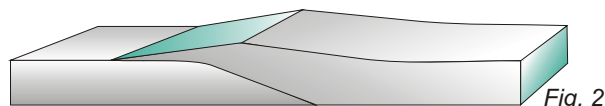
Minimize installation and maintenance time!

The self adhesive backing makes KWO® CellFlon® Gasket Tapes easy and quick to install. Completely clean the sealing surfaces and remove any dirt, corrosion, oil, or leftover gasket material.

Cut the first end of the gasket tape using the sloping cut shown in Fig. 1. Remove the protective paper and start next to a bolthole, sticking the tape at the center of the sealing surface.



Stick the gasket tape around the flange circumference and close the gasket using a second sloping cut for the ending (see Fig. 2). Leave in any case more than 100% material thickness at the overlap - the endings will interlock and a safe jointing will be produced.



Technical Support

For detailed selection criteria, technical support for installation and maintenance as well as information on other sizes please call.

KWO® is a registered trademark of KWO Dichtungstechnik-GmbH