

KWO® CellFlon®-brown

Gasketing Tape



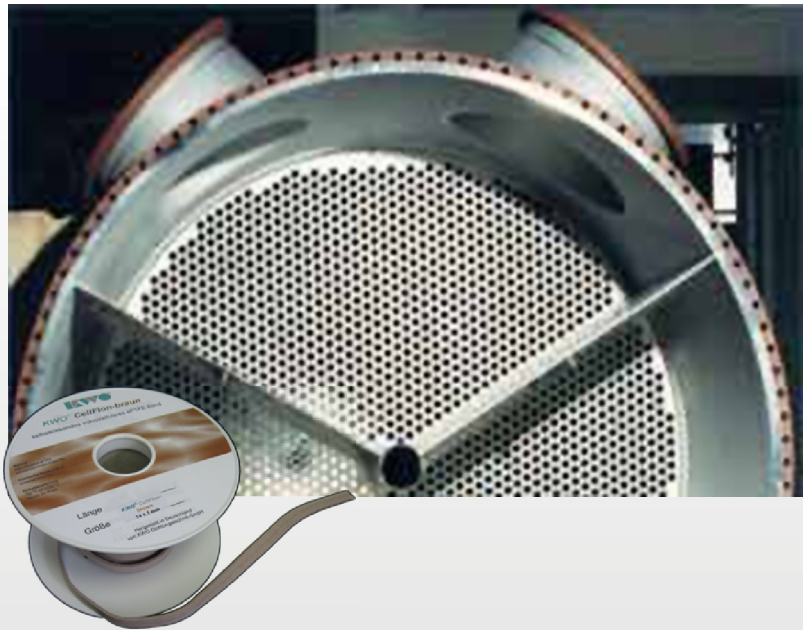
Realize complex gasket shapes with low efforts

KWO® CellFlon®-brown is the universal Gasket for the safe and cost-effective sealing of steel flanges.

The self adhesive tape is 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®-brown offers the effectient possibility of realizing large and complex gasket shapes in steel components, where, until now, gaskets had to be cut from expensive gasket sheets.

Stabilizing fillers make KWO® CellFlon®-brown an ideal gasket with very good properties even at higher temperatures.



Key Features

- expanded microcellular PTFE
- very good adaptability
- high recovery
- high chemical resistance
- good creep and flow characteristics
- stabilized with inorganic fillers

Benefits

- manufacture complex gasket shapes easily!
- high sealability
- shortens maintenance stops
- easily to install and remove
- no waistfull scrap
- reduces total costs

Product Data

Material

Quartz-filled expanded PTFE with microcellular structure

Chemical Resistance

universally resistant except for HF, H₃PO₄, strong bases, solved and molten alkali 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®-brown. Depending on stocking conditions the adhesive force of the backside glue strip can change.

Temperature Range

-240 °C to +315 °C
(-400°F to 600°F)

Pressure Range

Vacuum to 40 bar (580 psig)
depending on installation and service conditions

Recommended Conditions

-150 °C to +220 °C, at simultaneous operating pressure from vacuum to 25 bar

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Universal Use

KWO® CellFlon®-brown 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 heat exchangers, pressure vessels and other steel components.

Typical Properties:

EN 13555:

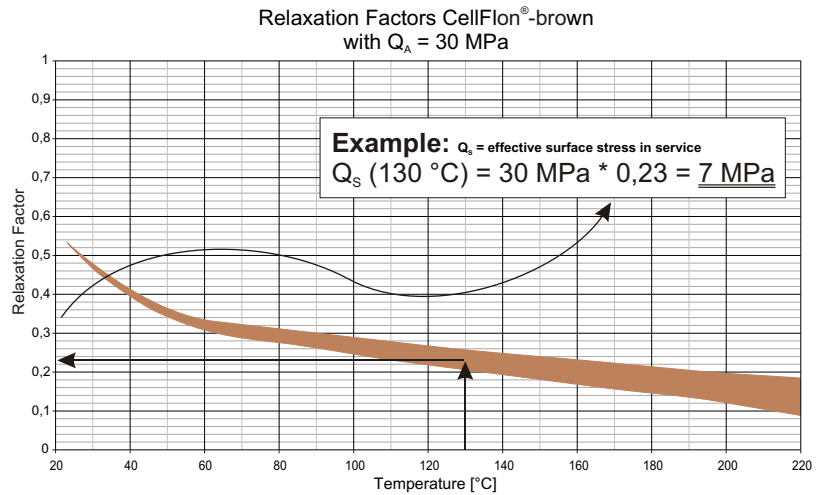
$Q_{MIN (0,01)}$ = 25 MPa
 $Q_{S MIN (0,01)}$ = 5 MPa
 Q_{CRIT} = 150 MPa

ASTM F-36

Compressibility = 56 %
 Recovery = 15 %

ASTM F-38

Creep Relaxation = 63 %



Quick Maintenance

KWO® CellFlon-brown 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.

Easy Installation

Minimize installation and maintenance time!

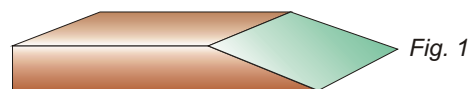
The self adhesive backing makes KWO® CellFlon® Gasket Tapes easy and quick to install. Completely clean the sealing surfaces and remove any dirt, corrosion, oil, or leftover gasket material.

Order Information and Available Sizes

KWO® CellFlon®-brown

Article-No.	Size [mm]	Standard Lengths [m]		
460930	9 x 3		25	50
461430	14 x 3	10	25	50
461930	19 x 3	10	25	

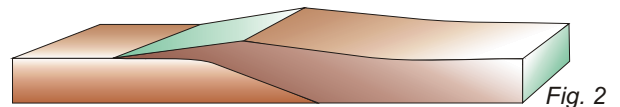
Cut the first end of the gasket tape using the sloping cut shown in Fig. 1. Remove the protective paper and start next to a bolthole, sticking the tape at the center of the sealing surface.



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.

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.



Your KWO®-Partner:

Technical Support

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

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