

KWO® CellFlon® brown ePTFE joint sealant



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

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

dimension stabilized quartz-filled ePTFE 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 pressure

Resistance to Ageing

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

Temperature Range of the Material

-240 °C to +270°C intermittent to +315 °C

Recommended Conditions

-200 °C to +220°C at simultaneous operating pressure up to 25 bar, depending on installation and service conditions

Pressure Range

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

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Universal Use

KWO® CellFlon® brown Gasket 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:

DIN EN 13555

$Q_{min (0,01)}$ = 25 MPa
 $Q_{S min (0,01)}$ = 5 MPa
 $Q_{S max}$ = 150 MPa

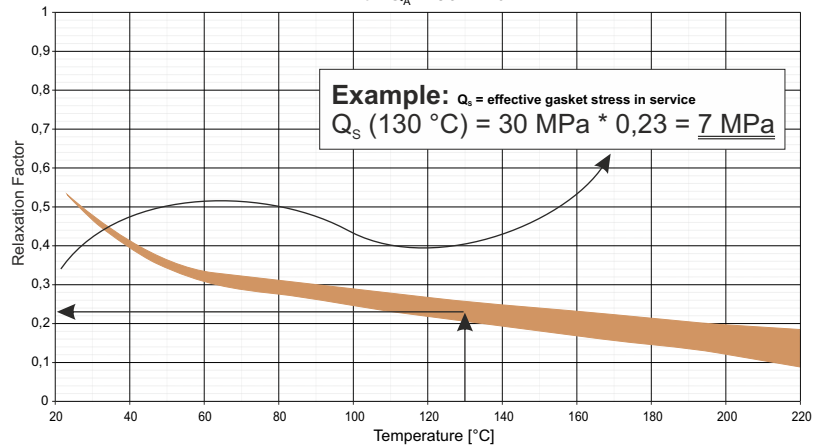
ASTM F-36

Compressibility = 56%
 Recovery = 15%

ASTM F-38

Creep Relaxation = 63 %

Relaxation Factors CellFlon-brown
with $Q_A = 30$ MPa



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.

Order Information and available size

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	

General Information

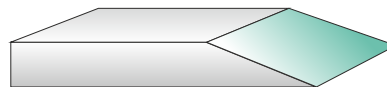
All technical information and advice are based on our experience and are to the best of our knowledge, but do not state any liability by our company. Specifications and values must always be checked by the customers, for they are the only ones that can judge the efficiency of a product taking into account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

Easy Installation

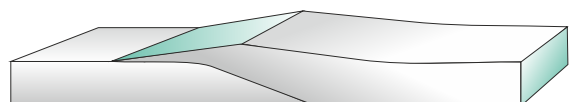
Minimize installation and maintenance time!

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.