

KWO® CellFlon® blue ePTFE joint sealant



Optimum Characteristics and low total costs

KWO® CellFlon® blue is the universally applicable gasket for a safe and costeffective use in plastic flanges and apparatus sealing.

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® blue with its improved properties replaces standard ePTFE Joint Sealant in high demanding applications and is often an efficient alternative to multidirectional ePTFE.

The microcellular structure causes high adaptability and offers very good sealability and low compressive creep even at raised temperatures.

Key Features

- expanded microcellular PTFE
- stabilized with inorganic fillers
- low creep and “cold-flow”
- very good adaptability
- high recovery
- chemically resistant

Product data

Material

dimension stabilized glass-filled ePTFE with microcellular structure

Chemical Resistance

universally resistant except for HF, H₃PO₄, strong bases, solvled 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® blue**
Depending on storage conditions the adhesive force of the glue strip can change.



Benefits

- universal use
- good sealability
- shortens maintenance stops
- easily to install and remove
- no waistfull scrap
- reduces total costs

Temperature Range of the Material

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

Recommended Conditions

-200 °C to +200°C at simultaneous operating pressure up to 16 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® blue Gasket Tape always fits. Just form-in-place your needed shape directly on-site. Without pre-cutting you can easily install a round, oval or square gasket from the spool and save time and wasteful scrap.

Typical Properties:

DIN EN 13555

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

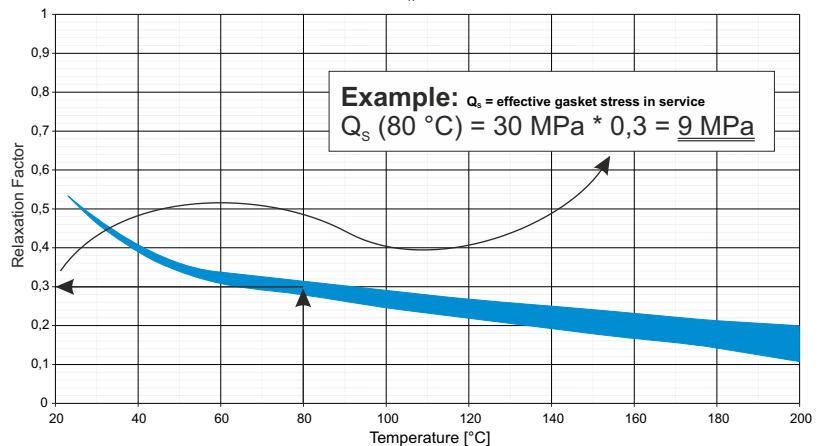
ASTM F-36

Compressibility = 63%
 Recovery = 12 %

ASTM F-38

Creep Relaxation = 60 %

Relaxation Factors CellFlon blue
with $Q_A = 30 \text{ MPa}$



Quick maintenance

KWO® CellFlon® blue 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]		
		10	25	50
450930	9 x 3		25	50
451430	14 x 3	10	25	50
451930	19 x 3	10	25	

General Information

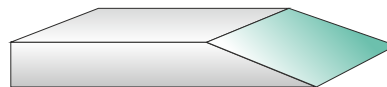
All technical information and advice are based on our experience and are to the best of our knowledge, but do not state any liability by our company. Specifications and values must always be checked by the customers, for they are the only ones that can judge the efficiency of a product taking into account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

Easy Installation

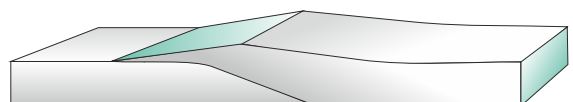
Minimize installation and maintenance time!

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.