



VULCAN SEALS

Tefcan Regulatory Compliance

Gasket Sheetting / Joint Sealant / Gasket Tape / Valve Stem Packing

FDA

Vulcan Expanded PTFE complies with Part 177 of Title 21 of the Food and Drug Administration regulations for safe use as articles or components of articles for producing, manufacturing, processing, preparing, treating, packing, transporting or holding food in accordance with FDA regulation 21.CFR.177.1550.

TEFCAN: Certificate of Conformity

TEFCAN is made of 100% multi-directionally expanded pure PTFE. Expanded via a unique process into a consistent, highly fibrillated structure; the characteristics of TEFCAN are very different to those of regular PTFE.

All forms of TEFCAN are flexible and stable even under extremes of temperature and pressure, maintaining their strength and structural integrity that prevents relaxation and cold flow. TEFCAN sealant conforms to irregular shapes and surfaces. Once compressed they produce a tough inert long lasting gasket that seals against extremes of temperature, pressure and corrosive media. Operating throughout the pH range, resistant to thermal cycling, non-contaminating and FDA suitable.

Tests have shown flanges to be responsible for the majority of fugitive emissions from industry. TEFCAN provides an extremely tight and secure seal and is suitable for reducing flange emissions on a plant wide basis.

SERVICE LIMITS

All TEFCAN sealant offers the following exceptional service capabilities.

Gasket Temperature:	- 240°C to + 310°C (-450°F to + 600°F)
Internal Pressure:	Full vacuum to 3,000 psi. For fine faced flanges, pressure range could be extended to reach 5,000 psi.
pH Value (of media):	0 – 14 except for molten alkali metals and elemental fluorine.

TECHNICAL INFORMATION

Sheet size:	1.6mm/1/16 " and 3.0mm/ 1/8 " thickness in various sheet widths.
Compressibility (astm.f-36):	72.6%
Creep relaxation (astm.f-36):	31.0%
Matrix tensile strength:	5,800 to
(astm.f-152):	6,800 psi
Recovery (astm.f-36):	41%
Specific gravity (astm.d-792):	0.55 – 0.65

Data based on 3mm/ 1/8" thick sheet

All information is correct at time of publication. However, as we constantly review and improve specifications, we reserve the right to change without prior notice. For any specific query regarding regulatory approval please contact our technical department.

Embrace Excellence - Vulcan Service, Quality and Value

Mechanical Seals | FEP/PFA Encapsulated 'O'-Rings | Gland Packing | Expanded PTFE Gaskets

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