

ePTFE Gasket Sheet

Flonseal™

FLONSEAL™ ePTFE Gasket Sheet is a form of PTFE which is expanded and stretched in many different directions during the manufacturing process. This 'multi-directional', higher strength material demonstrates a reduced tendency to creep under load at elevated temperatures when compared with other PTFE gasket materials.

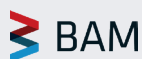
FLONSEAL™ gasket sheet shows good mechanical recovery over long term compression and temperature fluctuation resulting in very low leakage rates and, due to the very soft texture of the material, conforms perfectly to pitted, uneven flange faces.

Availability

- One standard sheet size: 1500 +25/-10mm x 1500 +25/-10mm
- Standard thicknesses: 0.5, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, 9.0mm +/-10%
- Offered as finish punched parts to customer drawing.

Regulatory Approvals

- BAM tested for use with oxygen
- Conforms to FDA 21 CFR 177.1550 for food contact
- Tested according to EC 1935/2004
- EN 13555 compliant.



Key features



100% virgin PTFE; no fillers or pigments



Excellent chemical resistance, same as solid sintered PTFE



UV resistant



Non-aging, unlimited shelf-life



Biologically inert, non-toxic



UL94 V-O flammability rating, LOI 95%



Density 0.80g/cm³



Tensile strength (20°C) 25N / mm²



Serviceable from -200°C to 230°C (-328°F to 446°F)



Ideal for sealing against fragile materials: glass, ceramic



Conforms perfectly to the contours of very uneven sealing faces



Easily cut by hand or machine punched