

## Technical Data Sheet

### MATERIAL PROPERTIES\*:

### TopChem 2000

#### DESCRIPTION:

Premium grade, heavy-duty PTFE gasket suitable for a wide range of applications within the chemical and petrochemical industries. The only PTFE based gasket material on the market to hold fire safe approval.



#### COLOUR:

Tan

#### SERVICE:

Excellent sealing at high temperatures and pressures, ideal for aggressive chemicals, easy to handle and cut, Firesafe, creep resistant

#### TESTS & APPROVALS:

Firesafe API 6FA, BAM Approval for use with oxygen 100 bar / 2000C, KTW Approval C661/95/se, DIN DVGW G96e022, FDA Conformity, TA Luft 97 06 9502 01, Germanischer Lloyd 98 949 – 97 HH a), United States Coast Guard 16703 / 46-153, Italiano Navale MAC/051882/GMI, Veritas AS J.nr.:141-9703538

#### SPECIFICATIONS (1.5MM):

Compressibility ASTM F36A:		%	2
Recovery ASTM F36A:		%	55
Stress Relaxation DIN 52913:	50 Mpa 16h/300°C:	M pa	35
Stress Relaxation DIN 52913:	30 Mpa 16h/150°C:	M pa	30
Cold / hot compression	thickness decrease at 23°C :	%	2
50 MPa	thickness decrease at 300°C:	%	5
Gas leakage according to DIN 3535/6:		ml/min	<0.5
Thickness increase after fluid	H <sup>2</sup> SO <sup>4</sup> , 100%: 18 h/23°C:	%	0.5-1
Immersion ASTM F 146	HNO <sup>3</sup> , 100%: 18 h/23°C:	%	1-2
Immersion ASTM F 146	NaOH, 33%: 72 h/110°C:	%	5
Density:		g/cm <sup>3</sup>	2.5

#### AVAILABILTY:

Sheeting: 1500mm x 1500mm\*

Thickness: 1mm, 1.5mm, 2mm, 3mm

\* Can be welded to form gaskets larger than sheet size.

Notes: \* This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.

Asbestos Free



Certificate Number: 14352  
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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#### Contact

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