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## KLINGER top-chem 2000

KLINGER top-chem 2000 is a universal heavy-duty gasket material which offers exceptional performance in applications with high mechanical requirements at high temperatures. It is the only PTFE gasket material with a Fire-Safe Certificate.

Use top-chem 2000 in strongly acidic and alkaline applications as well as in steam and oxygen. Suitable for an extremely wide range of applications in the chemical and petrochemical industry, as well as in the ship building industry for the transport of chemicals. This material also meets FDA conformity.

Basis: PTFE gasket material with SIC (Silicon Carbide).

### Typical Values Refer To 2.0mm Thick Material Unless Noted

Compressibility ASTM F36 M	4%
Recovery ASTM F36 M	50%
Stress Relaxation DIN 52913 30 MPa, 16h/150C 50 MPa, 16h/260C	28 MPa 36 MPa
KLINGER Hot/Cold Compression Test 50 MPa Thickness Decrease 73F (23C) Thickness Decrease 500F (260C)	5% 11%
Tightness DIN 28090-2	0.08 mg/s x m
Thickness/Weight Increase H2SO4, 100%, 18h/23C HNO3, 100%, 18h/23C NaOH, 33%, 72h/110C	1/1% 1/2% 1/3%
Density	2.5 g/cm <sup>3</sup>
Average surface resistance pΩ	6.9x10E12Ω
Average specific volume resistance pD	2.2x10E12Ω cm
Average dielectric strength Ed	3.6kV/mm
Average power factor 50Hz	0.166 tanδ
Average dielectric coefficient 50Hz	10.6 εr
Thermal conductivity λ	0.60 W/mK
Color	Grey