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## KLINGER top-chem 2006

KLINGER top-chem 2006 offers excellent resistance in strong alkaline applications and good mechanical properties at medium and low temperatures and loads. Suitable in a wide range of applications in the chemical industry. This gasket material is free of pigments and also meets FDA conformity.

Basis: PTFE filled gasket material with barium sulfate.

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

Compressibility ASTM F36 M	4%
Recovery ASTM F36 M	40%
Stress Relaxation DIN 52913 30 MPa, 16h/150C	18 MPa
KLINGER Hot/Cold Compression Test 50 MPa Thickness Decrease 73F (23C) Thickness Decrease 500F (260C)	12% 41%
Tightness DIN 28090-2	0.01 mg/s x m
Thickness/Weight Increase H <sub>2</sub> SO <sub>4</sub> , 100%, 18h/23C HNO <sub>3</sub> , 100%, 18h/23C	1/2% 1/1%
Density	3.0 g/cm <sup>3</sup>
Average surface resistance pO	1x10E12Ω
Average specific volume resistance pD	1.2x10E12Ω cm
Average dielectric strength Ed	16.7kV/mm
Average power factor 50Hz	0.083 tanδ
Average dielectric coefficient 50Hz	4.2 εr
Thermal conductivity λ	0.40 W/mK
Color	Off-white