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## KLINGER top-chem 2003

KLINGER top-chem2003 offers a high adaptability and tightness even at low surface loads. Top-chem 2003 has excellent chemical resistance in strongly acidic and alkaline applications as well as very good properties at medium temperatures and loads. This material also meets FDA conformity.

Basis: PTFE gasket material filled with hollow glass microspheres.

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

Compressibility ASTM F36 M	18%
Recovery ASTM F36 M	35%
Stress Relaxation DIN 52913 30 MPa, 16h/150C	13 MPa
KLINGER Hot/Cold Compression Test 50 MPa Thickness Decrease 73F (23C) Thickness Decrease 500F (260C)	10% 39%
Tightness DIN 28090-2	0.01 mg/s x m
Thickness/Weight Increase H2SO4, 100%, 18h/23C HNO3, 100%, 18h/23C NaOH, 33%, 72h/110C	1/1% 0/5% 1/5%
Density	1.7 g/cm <sup>3</sup>
Average surface resistance pO	9x10E12Ω
Average specific volume resistance pD	2.6x10E12Ω cm
Average dielectric strength Ed	16.7kV/mm
Average power factor 50Hz	0.085 tanδ
Average dielectric coefficient 50Hz	2.8 εr
Thermal conductivity λ	0.18 W/mK
Color	Off-white