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KLINGER top-chem 2005

KLINGER top-chem 2005 offers an outstanding performance and a high chemical resistance in strong acidic applications. The material is suitable for a wide range of applications in the chemical industry. The material is resistant to cold flow and has very good mechanical properties at medium temperatures. This material also meets FDA conformity.

Basis: PTFE filled gasket material with inorganic fillers.

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	25 MPa
KLINGER Hot/Cold Compression Test 50 MPa Thickness Decrease 73F (23C)	5%
Thickness Decrease 500F (260C)	35%
Tightness DIN 28090-2	0.02 mg/s x m
Thickness/Weight Increase H2SO4, 100%, 18h/23C	1/1%
HNO3, 100%, 18h/23C	1/2%
Density	2.2 g/cm ³
Average surface resistance pO	3.1x10E12Ω
Average specific volume resistance pD	3.2x10E12Ω cm
Average dielectric strength Ed	23.8kV/mm
Average power factor 50Hz	0.071 tanδ
Average dielectric coefficient 50Hz	3.2 εr
Thermal conductivity λ	0.42 W/mK
Color	Orange