

KLINGER®top-chem 2005

KLINGER®top-chem 2005 is a PTFE filled gasket material with inorganic fillers, providing high chemical resistance in strong acidic applications. The material is suitable for a wide range of applications in the chemical industry, and also meets FDA conformity.

TECHNICAL DATA SHEET

KLINGER®top-chem 2005

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	--	--	Orange
Basis Composition	PTFE filled gasket material with inorganic fillers		
Compressibility	ASTM F36 M	%	4
Recovery	ASTM F36 M	%	40
Stress Relaxation DIN 52913 30 MPa, 16 h/150°C	DIN 28090-2	mg/s x m	0.02
KLINGER Cold/Hot Compression (50 MPa)	Thickness decrease at 23°C	%	5
	Thickness decrease at 260°C	%	35
Tightness	DIN 28090-2	mg/s x m	0.02
Specific Leakrate	VDI 2440	mbar x l/(s x m)	3.29E-06
Thickness/Weight Increase	--		
H ₂ SO ₄ , 100%: 18 h/23°C		%	1 / 1
HNO ₃ , 100%: 18 h/23°C		%	1 / 2
Density	--	g/cm ³	2.2
Average Surface Resistance	pO	Ω	3.1 × 10E13
Average Specific Volume Resistance	pD	Ω cm	3.2 × 10E13
Average Dielectric Strength	E _d	kV/mm	23.8
Average Power Factor	50 Hz	tan δ	0.071
Average Dielectric Coefficient	50 Hz	ε _r	3.2
Thermal Conductivity	λ	W/mK	0.42
Certificates			
BAM Tested FDA Conformity TA-Luft (Clean air)	WRAS Approval DIN-DVGW Regulation EU No. 1935/2004	DNV GL KTW-Guideline	