

KLINGER®top-chem 2006

KLINGER®top-chem 2006 is a PTFE filled gasket material with barium sulfate, providing excellent chemical resistance in strong alkaline applications. The material has good mechanical properties and is suitable for a wide range of applications in the chemical industry. Top-chem 2006 is free of pigments and also meets FDA conformity.

TECHNICAL DATA SHEET

KLINGER®top-chem 2006

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color	--	--	Off-White
Basis Composition	PTFE filled gasket material with barium sulfate		
Compressibility	ASTM F36 M	%	4
Recovery	ASTM F36 M	%	40
Stress Relaxation DIN 52913 30 MPa, 16 h/150°C	DIN 28090-2	MPa	18
KLINGER Cold/Hot Compression (50 MPa)	Thickness decrease at 23°C	%	12
	Thickness decrease at 260°C	%	41
Tightness	DIN 28090-2	mg/s x m	0.01
Thickness/Weight Increase	--		
H ₂ SO ₄ , 100%: 18 h/23°C		%	1 / 2
NaOH, 33%: 72 h/110°C		%	1 / 1
Density	--	g/cm ³	3.0
Average Surface Resistance	pO	Ω	1 × 10E13
Average Specific Volume Resistance	pD	Ω cm	1.2 × 10E13
Average Dielectric Strength	E _d	kV/mm	16.7
Average Power Factor	50 Hz	tan δ	0.083
Average Dielectric Coefficient	50 Hz	ε _r	4.2
Thermal Conductivity	λ	W/mK	0.40
Certificates			
BAM Tested TA-Luft (Clean air) DNV GL	DIN-DVGW FDA Conformity (components comply with FDA requirements)		