

Thermoseal KLINGER® top-chem-2003 PTFE Gasketing

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Ideal for low bolt applications or where flanges are delicate
Excellent chemical resistance to acidic and alkaline attack
Highly compressible
FDA compatible
Ideal for higher temperatures and pressures
Holds shape for thermal cycles
Permits/Certifications: KTW proposal; DIN-DVGW permit; FDA conformity; TA-Luft certification and Germanischer Lloyd
Information provided by Thermoseal Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Thermoseal-KLINGER-top-chem-2003-PTFE-Gasketing.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	
Thickness	2000 microns	78.7 mil	Thickness tested

Descriptive Properties	Value	Comments
Compressibility	18 percent	ASTM F36
Klinger Cold/Hot Compression	38 percent	480°F/3,625 psi
	9 percent	75°F/3,625 psi
Recovery	40 percent	ASTM F36
Sealability	0.01 mg/s m	DIN 28090-2
	0.1 ml/min	DIN 3535/6
Stress Relaxation	13 MPa	DIN 52913, 16h 4,350 psi, 300°F
Weight Increase	1%	H2SO4, 100%: 18h/75°F
	2%	NaOH, 33%: 72h/230°F
	5%	HNO3, 100%: 18h/75°F

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