

Thermoseal soft-chem® PTFE Gasketing

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Thermoseal® soft-chem® expanded PTFE sealing material provides excellent corrosion resistance and impermeability along with superior creep resistance and sealability for use in all types of applications. The material's high compressibility enables it to deform under load and conform to irregularities in flange faces for a tight seal with low, minimum sealing stress. Standardizing with it also helps to reduce maintenance, simplify inventory, and save money. Can be used with more fragile piping systems Ideal for boiler applications because it's largely unaffected by steam or condensate for longer life and trouble-free sealing BAM approval for gaseous oxygen Indefinite self life FDA compliant Information provided by Thermoseal Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Thermoseal-soft-chem-PTFE-Gasketing.php

Physical Properties	Metric	English	Comments
Density	0.850 g/cc	0.0307 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength	10.3 MPa	1500 psi	ASTM D152

Descriptive Properties	Value	Comments
Chemical Resistance	0-14 pH	
Compressibility	60 percent	ASTM F36
Creep Relaxation	35 percent	1/32", ASTM F38B
Gas Permeability	0.12 ml/hr	DIN 3535/6
Gasket Constants	0.2 psi	a, 1/16", tested by Ecole Polytechnic
	1260 psi	G_b, 1/16", tested by Ecole Polytechnic
	3.5 psi	G_s, 1/16", tested by Ecole Polytechnic
Klinger Hot Compression Test	28.6 percent	Thickness Decrease Hot, 572°F (300°C)
	37 percent	Thickness Decrease Ambient, 3625 psi
Recovery	>12 percent	ASTM F36
Sealability	.002 ml/min	ASTM F37 B Fuel A
Vacuum to Full Pressure	3000 psi	

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