TEADIT®

EMPAQUES Y JUNTAS INDUSTRIALES

QUIMFLEX SH

100% Expanded PTFE Sheet

CONSTRUCTION

Quimflex SH gasket sheet is manufactured by expanding 100% virgin PTFE using a proprietary process that produces a uniform and highly fibrillated microstructure with equal tensile strength in all directions. The resulting product exhibits characteristics significantly different than conventional PTFE sheet. This style is much softer and more flexible than regular PTFE sheet and thus conforms easily to irregular and rough surfaces. In addition, the material is easier to compress and minimizes creep and cold flow.

APPLICATION / SERVICE

Quimflex SH is an all purpose gasket sheet that can replace all other types of PTFE sheet. It will seal all aggressive chemicals over the entire 0-14 pH range except for molten alkali metals and elemental fluorine. Made from 100% virgin PTFE, it not only resists chemical attack, but it will not contaminate or discolor end products. These industries currently use expanded PTFE sheet:

- Distillers
- Pharmaceutical
- Iron and Steel manufacturing
- Petrochemical
- General Chemical
- Pulp and Paper
- Food and Beverage
- Power Generation
- Marine

SERVICE LIMITS		
Type	**Description**	**Value**
Temperature	Minimum	-450°F (-268°C)
	Maximum	600°F (315°C)
ASTM Line Call Out	ASTM F 104	
Color	White	
pH		0-14 (except molten alkali metals and elemental fluorine)
Available Sheet Sizes	Thicknesses	1/32", 1/16", 3/32", 1/8", 3/16", 1/4"
	Sheet Size	60" x 60"

Calle Pino # 25-A Col. Bosques de Ixtacala, Atizapán de Zaragoza, Edo. de Méx.
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TYPICAL PHYSICAL PROPERTIES

ASTM Test Method	Property	Value
F37	**Sealability:**	
	ASTM Fuel A (isoctane):	
	• Gasket load, 500 psi (3.5 N/mm^2)	
	• Internal Pressure, 9.8 psi (0.7 bar)	0.0 ml/hr
	Nitrogen:	
	• Gasket load, 500 psi (20.7 N/mm^2)	0.16 ml/hr
F36	Compressability	68%
F36	Recovery	12%
F38	Creep Relaxation	32% at 212°F 16% at 73°F
F495	Ignition Loss	30%
F146	Weight Increase After 5 Hour Immersion	-
	• ASTM Fuel IRM 903 @ + 300°F (+150°C)	
	• ASTM Fuel A @ + 70-85°F (+21-29°C)	
	• ASTM Fuel B @ + 70-85°F (+21-29°C)	
F146	Thickness Increase After 5 Hour Immersion	-
	• ASTM Fuel IRM 903 @ + 300°F (+150°C)	
	• ASTM Fuel A @ + 70-85°F (+21-29°C)	
	• ASTM Fuel B @ + 70-85°F (+21-29°C)	
F 152	Tensile Strength Across Grain	
	• 1/16" thick	1600 psi(11 N/mm2)
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DIN 3535 Part 4	Gas Permeability	-
	• Nitrogen:	580 psi (40 bar)
	• Internal pressure:	4640 psi (32 N/mm^2)
	• Gasket Load:	
-	Density	53 lb/ft^3(.85 gm/cc)

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