RAITECH RAIFLON® 350

Data Sheet.

Designed for use with aggressive chemicals, oxygen gas, and in food service environments.

RAIFLON® 350 is a next-generation sealing material, developed through an advanced process that restructures PTFE resin into a fibrous matrix. Additives include high-purity silica, giving the material exceptional dimensional stability. This technology drastically minimizes cold creep and relaxation commonly seen in conventional Teflon products when subjected to temperature and pressure.

It is the leading technical recommendation for the most demanding applications, standing out for its superior resistance to sulfuric acid.

Recommended Fluids and Applications:
Designed for harsh chemical environments, it is ideal for sealing pipes and equipment handling:

- Sulfuric acid (Key application).
- Hydrochloric acid.
- Oxygen gas.
- Food and beverages.
- Highly aggressive and corrosive chemical fluids in general.

Key Benefits

Reliable Sealing: Maintains tightening load, guaranteeing a hermetic, uniform, and highly durable seal.

Multipurpose Performance: Its exceptional chemical inertness allows its use in a wide variety of industrial processes.

Inventory Optimization: As such a versatile solution for critical fluids, it allows for standardized plant sealing and significantly reduces the number of part numbers and items in the maintenance warehouse.

Estabilidad dimensional, para un sellado duradero.

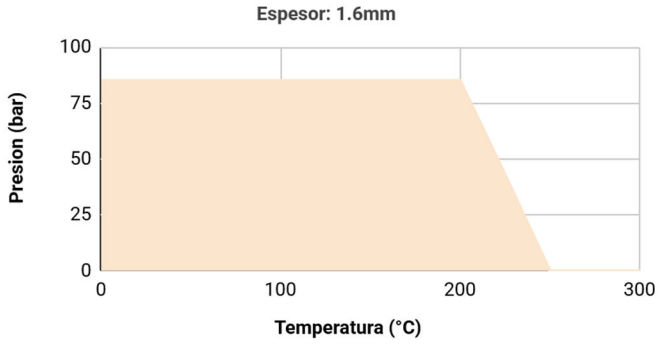
RAITECH RAIFLON®

TECHNICAL DATA

Properties:	**RAIFLON® 350** Sheet
Composition:	Modified PTFE + Sílica
Complies w/:	FDA 21 CFR 177.1550 / 21 CFR 177.2260
Required Flange Roughness, Ra:	1/16”= 3.2-6.3 µ 1/8” = 3.2-12.5
Density:	131.10 Lb/ft3
Temperature, Max:	500 °F
Temperature,Min:	-436 °F
Temperature,Continuous:	428 °F
Pressure, Max:	1204 Psi
Compressibility, ASTM F36a:	12 %
Recovery, ASTM F36a:	>41 %
Tensile Strength, ASTM F152:	1,885 Psi
Stress Relaxation, DIN 52913:	33 Mpa
Sealability, ASTM F37:	<0.214 ml/h
Dielectric Strength, ASTM D-149:	20 Kv/mil
pH Range:	0-14
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5 Y: 1740
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 1450
P x T @ 1/8, Psi x °F:	240,000 °F x Psi
P x T @ 1/16, Psi x °F:	360,000 °F x Psi
Thickness Tolerance, ASTM F104:	±10 %
Dimensional tolerance:	±5 %
Thicknesses:	1/16" & 1/8"
Dimensions:	60"X60" (in)

***The maximum temperature and pressure limits should not occur simultaneously.*

Curva PxT - RAIFLON® 350



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