



RAITECH.
MODIFIED
PTFE + BARIUM SULFATE

Designed for food and beverage, aggressive chemicals and service in liquid and gas oxygen.

RAIFLON® 351 is a next-generation sealing sheet. Its formulation, based on restructured PTFE and enhanced with barium sulfate, counteracts the thermal relaxation and creep characteristic of conventional PTFE. Its design focuses on maintaining bolt tension over the long term, offering a robust and reliable seal in the process industry.

Competitive Advantages:

Operational Safety: Provides peace of mind in lines handling toxic or highly corrosive fluids, minimizing the risk of accidents.

Reduced Maintenance Costs: Its high torque retention eliminates the need for costly plant shutdowns to retighten flanges.

Inventory Consolidation: Thanks to its broad chemical resistance, you can standardize the use of this sheet for almost your entire plant.

Recommended Fluids:

- Caustic soda (excellent resistance).
- Chlorine (gas and wet).
- Oxygen (gas and liquid) - Requires explicit request for special preparation.
- Strong acids and alkalis.

TECHNICAL DATA

Properties:	RAIFLON® 351	Sheet
Composition:	Modified PTFE + Barium Sulfate	
Complies w/:	FDA 21 CFR 177.1550 / 21 CFR 177.2260	
Density:	181.04 Lb/ft3	
Temperature, Max:	500 °F	
Temperature, Min:	-436 °F	
Temperature, Continuous:	428 °F	
Pressure, Max:	1204 Psi	
Compressibility, ASTM F36a:	10 %	
Recovery, ASTM F36a:	>35 %	
Tensile Strength, ASTM F152:	1,885 Psi	
Stress Relaxation, DIN 52913:	35 Mpa	
Sealability, ASTM F37:	<0.043 ml/h	
Dielectric Strength, ASTM D-149:	21 Kv/mil	
pH Range:	0-14	
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5	Y: 1600
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5	Y: 1170
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.**

Estabilidad dimensional, para un sellado duradero.



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