



Designed for aggressive chemical, food & beverage applications and low torque applications.

Designed from 100% expanded virgin PTFE, **RAIFLON® 3400** represents the evolution of industrial sealing. Its advanced multi-axial structure provides exceptional compressibility, eliminating the classic problems of cold creep and relaxation associated with traditional Teflon.

RAIFLON® 3400 is the ultimate solution for ensuring a hermetic seal, long-term torque retention, and near-universal chemical compatibility.

Operational Benefits and Competitive Advantages

Extreme Adaptability (Maintenance Savings): Its extraordinary malleability instantly absorbs imperfections. It achieves a perfect seal even on pitted, scratched, or deformed flanges, eliminating the need for costly plant shutdowns to repair or replace flanges.

Reliable Seal at Low Torque (Equipment Protection): Ensures maximum sealing by applying minimal tightening force. It is the ideal technical option for protecting fragile, fracture-prone connections such as glass, enamel, PVC, CPVC, and fiberglass reinforced plastic (FRP).

Inventory Consolidation (Universality pH 0-14): Simplify your warehouse. Thanks to its absolute chemical inertness to virtually all industrial fluids (except elemental fluorine and molten alkali metals), this single sheet can standardize and resolve 90% of your static applications.

Sanitary Grade Purity (Zero Contamination): A completely non-toxic material that complies with strict FDA regulations (CFR 177.1500 and 178.3570). It is completely safe for critical processes in the food, pharmaceutical, and beverage industries.

Estabilidad dimensional, para un sellado duradero.



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Data Sheet.

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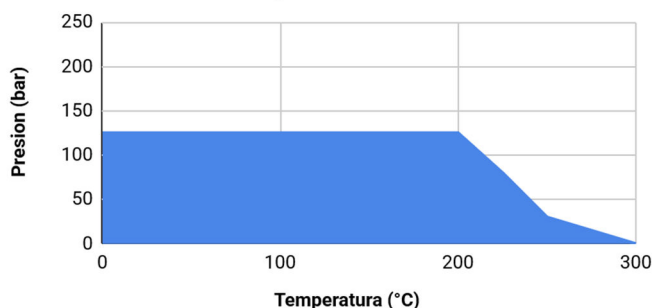
TECHNICAL DATA

Properties:	RAIFLON® 3400 Sheet
Composition:	Multi-Axial Expanded PTFE
Complies w/:	FDA 21 CFR 177.1550
Required Flange Roughness, Ra:	1/16" = 3.2-6.3 μ 1/8" = 3.2-12.5 μ
Density:	56.81 Lb/ft ³
Temperature, Max:	550.4 °F
Temperature, Min:	-436 °F
Temperature, Continuous:	428 °F
Pressure, Max:	2901 Psi
Compressibility, ASTM F36a:	50 %
Recovery, ASTM F36a:	>15 %
Tensile Strength, ASTM F152:	4,496 Psi
Stress Relaxation, DIN 52913:	30 Mpa
Sealability, ASTM F37:	<0.01 ml/h
Dielectric Strength, ASTM D-149:	10 Kv/mil
pH Range:	0-14
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5 Y: 3500
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 2800
P x T @ 1/8, Psi x °F:	240000 °F x Psi
P x T @ 1/16, Psi x °F:	360000 °F x Psi
Thickness Tolerance, ASTM F104:	±10 %
Dimensional tolerance:	±5 %
Thicknesses:	1/32, 1mm, 1/16", 1/8" & 1/4"
Dimensions:	60"x60" (in) 60"x120" (in)

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

Curva PxT - RAIFLON® 3400

Espesor: 1.6mm



www.raitech.mx

All the technical information and recommendations given in this document are based on our experiences. However, we do not accept any type of responsibility. The data and values presented should be reviewed by the user, based on the understanding that success in sealing can only be achieved by evaluating all parameters and variables directly at the job site. The parameters in this document are approximate and may have mutual influence if they occur simultaneously; please contact us in critical applications or where there is doubt.