

# RAITECH. RAIFLON® 3400

## Data Sheet.

Page 1/1



RAITECH.  
MULTI-AXIAL  
EXPANDED  
PTFE

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.

## TECHNICAL DATA

Properties:	RAIFLON® 3400	Sheet
Composition:	Multi-Axial Expanded PTFE	
Complies w/:	FDA 21 CFR 177.1550	
Density:	56.81	Lb/ft3
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.*

Estabilidad dimensional, para un sellado duradero.



RAITECH.  
RAIFLON®



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.