RAITECH RAIFLON® 345

Data Sheet.

Our latest development in Modified PTFE.

RAIFLON® 345 represents the pinnacle of sealing technology. Manufactured with 100% pure, virgin resins using a proprietary manufacturing process, it offers an advanced, high-performance, multi-layer structure:

Modified Solid Core: Specifically designed to minimize creep and ensure long-term load retention.

Microcellular PTFE Faces: Provide exceptional conformability, perfectly replicating the irregularities of sealing surfaces for an immediate, airtight seal.

Zero Leaks from the First Tightening: The combination of its rigid core and microcellular faces guarantees a highly reliable seal, eliminating initial leaks and protecting the operating environment.

Reduced Maintenance Costs: Its high resistance to deformation under load maintains constant bolt tension, eliminating costly and risky retightening routines.

Sanitary Grade and High Purity: Containing no pigments or contaminating additives, it is a completely safe solution for human consumption processes.

Application Profile: This is our top recommendation (Premium Level) for the most demanding chemical and industrial applications on the market.

Recommended Fluids: It withstands highly aggressive fluids, demonstrating superior performance in the following lines:

- Sulfuric Acid and Hydrochloric Acid.
- Caustic Soda and Potassium Hydrochloride.
- Sodium Hypochlorite.

TECHNICAL DATA

Properties:	**RAIFLON® 345**	Sheet
Composition:	Micro-cellular PTFE + Modified PTFE	
Complies w/:	FDA 21 CFR 177.1550 / 21 CFR 177.2260	
Density:	81.16	Lb/ft3
Temperature, Max:	536	°F
Temperature,Min:	-436	°F
Temperature,Continuous:	428	°F
Pressure, Max:	1160	Psi
Compressibility, ASTM F36a:	26	%
Recovery, ASTM F36a:	>44	%
Tensile Strength, ASTM F152:	1,885	Psi
Stress Relaxation, DIN 52913:	35	Mpa
Sealability, ASTM F37:	<0.002	ml/h
pH Range:	0-14	
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5 Y: 1200	
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 1050	
P x T @ 1/8, Psi x °F:	255,000	°F x Psi
P x T @ 1/16, Psi x °F:	360,000	°F x Psi
Maximum Stress @ 1/16:	9,000	Psi
Maximum Stress @ 1/16:	7,000	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.

RAITECH RAIFLON®

Trusted Sealing Solutions.

GFA GASKET FABRICATORS ASSOCIATION

EN FAVOR DE LA COMPETITIVIDAD NO Corrupción

www.raitech.mx