RAITECH®

RAIFLON® 354

Data Sheet.

Designed for low torque chemical applications.

RAIFLON® 354 represents the evolution in sealing technology. Through a sophisticated restructuring process, traditional PTFE is transformed into a high-strength fibrous matrix, enhanced with hollow glass microspheres.

This innovation in materials engineering completely neutralizes thermal relaxation and creep, guaranteeing a leak-proof seal that maintains its structural integrity in the most demanding operating environments.

Low Torque Sealing: Its exceptional compression capacity allows for a 100% leak-proof seal with minimal tightening force. This prevents unnecessary stress, cracking, and the replacement of costly plastic or fiberglass flanges.

Maximizing Uptime: By eliminating material creep, RAIFLON® 354 puts an end to chronic leaks. This translates into a drastic reduction in unscheduled plant shutdowns and eliminates the need for constant retightening routines, significantly optimizing your maintenance budget.

Versatility and Chemical Resilience: Designed to withstand harsh environments, it offers exceptional performance against the vast majority of aggressive and corrosive industrial fluids, extending the service life of its flanged joints.

Recommended Infrastructure Application: It is the definitive technical choice for piping systems made of brittle or non-metallic materials:

- PVC and CPVC.
- Fiberglass Reinforced Plastic (FRP/FRP).

TECHNICAL DATA

Properties:	**RAIFLON® 354**	Sheet
Composition:	Modified PTFE + Micro hollow glass spheres	
Density:	106.13	Lb/ft3
Temperature, Max:	500	°F
Temperature,Min:	-436	°F
Temperature,Continuous:	428	°F
Pressure, Max:	725	Psi
Compressibility, ASTM F36a:	36	%
Recovery, ASTM F36a:	>31	%
Tensile Strength, ASTM F152:	1,885	Psi
Stress Relaxation, DIN 52913:	30	Mpa
Sealability, ASTM F37:	<0.121	ml/h
Dielectric Strength, ASTM D-149:	15	Kv/mil
pH Range:	0-14	
"M&Y" Values @ 1/8, ASME PVRC:	M: 2.5 Y: 1450	
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 1000	
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:	1/16" & 1/8"	
Dimensions:	60"X60" (in)	

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

Estabilidad dimensional, para un sellado duradero.

RAITECH® RAIFLON®

GFA GASKET FABRICATORS ASSOCIATION

EN FAVOR DE LA COMPETITIVIDAD NO Corrupción

www.raitech.mx