

RAITECH® SUPRA:FLEX® 27



Data Sheet.

Page 1/1



The perfect balance between chemical and mechanical resistance for most industrial equipment.

Designed for use on: Steel flanges, pump housings, compressors, transmissions, boilers (gas inlets), furnaces (gas inlets), small engines, saturated steam pipes up to 7 bar, level sight glasses, HVAC heating systems.

SUPRAFLEX® 27 is a flexible, multi-purpose sheet manufactured with a blend of ARA:MAX® SD fibers using NBR as a binder and special additives. Its state-of-the-art calendaring process results in a uniform thickness throughout the sheet, ensuring high-quality finished products. The special blend of fibers and NBR elastomer provides unparalleled flexibility, facilitating cutting and minimizing waste. Its improved compressibility allows it to conform more easily to sealing surfaces, providing a firm seal against fluids. It features a PK567 non-stick film for easy removal.

Applications:

SUPRAFLEX® 27 was designed for applications with demanding mechanical requirements such as: compressors, engines up to 600cc, flanges, sight glasses, and pump seals. It is recommended for sealing petroleum products, water, saturated steam, gases, aliphatic and chlorinated solvents, refrigerants, and chemicals in general. It can also withstand contact with concentrated alkalis and moderate acids.

Disponible como piezas cortadas:



www.raitech.mx

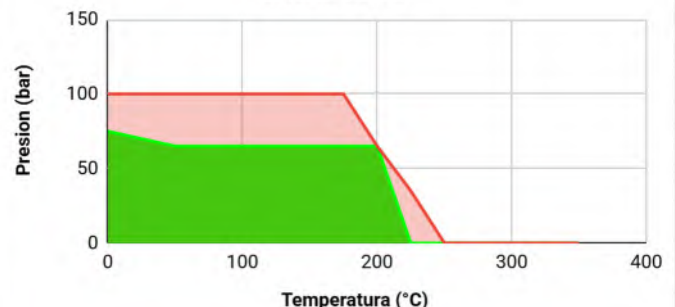
TECHNICAL DATA

Properties:	SUPRAFLEX® 27 Sheet
Composition:	ARA:MAX® SD Aramid Fiber + NBR + Additives
Anti-Stick:	PK567 - Inorganic
Applicable standards:	ASTM F104
Required Flange Roughness, Ra:	1/16" = 3.2-6.3 μ 1/8" = 3.2-12.5 μ
Density:	114.24 Lb/ft ³
Temperature, Max:	752 °F
Temperature, Min:	-40 °F
Temperature, Continuous:	410 °F
Pressure, Max:	1,450 Psi
Compressibility, ASTM F36a:	7-15 %
Recovery, ASTM F36a:	>50 %
Weight Increase, ASTM F146, FUEL B:	14% %
Thickness Increase, ASTM F146, FUEL B:	12% %
Tensile Strength, ASTM F152:	1,740 Psi
Stress Relaxation, DIN 52913:	34 Mpa
Creep Relaxation, ASTM F38:	17 %
Sealability, ASTM F37:	>1.0 ml/h
Dielectric Strength, ASTM D-149:	7 Kv/mm
pH Range:	2-12
"M&Y" Values @ 1/8, ASME PVRC:	M: 3 Y: 3,500
"M&Y" Values @ 1/16, ASME PVRC:	M: 2.5 Y: 2,800
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:	1/64", 1/32", 1/16", 2mm, 3/32", 1/8", 3/16" & 1/4"
Dimensions:	60" x 60" (in) 60" x 120" (in)

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

Curva PxT - Supraflex® 27

Espesor: 1.6mm



All technical information and recommendations given in this document are based on our experience. However, we do not accept any liability. The data and values presented should be reviewed by the user, bearing in mind that sealing success can only be achieved by evaluating all parameters and variables directly on the job site. The parameters in this document are approximate and may influence each other if they occur simultaneously. Please contact us for critical applications or where there is any doubt.