

RAITECH® SUPRA-FLEX® 27MC



Data Sheet.

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Made for applications with moderate thermal cycling or vibration.

Designed for:

Sealing of equipment with thermal cycles and/or variable pressures, it has high mechanical resistance, such as lines with water hammer.

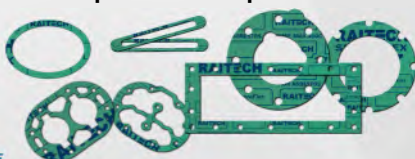
SUPRAFLEX® 27MC is a flexible, multi-purpose sheet made with ARA:MAX® SD aramid-based fibers and additives, using NBR as a binder, and reinforced with wire mesh. Its state-of-the-art calendering process results in a uniform thickness throughout the sheet, ensuring high quality in the finished product. The special blend of fibers and NBR elastomer provides unparalleled flexibility, facilitating cutting and minimizing waste. Its improved compressibility also allows it to conform more easily to sealing surfaces, providing a firm seal against the fluid.

Applications:

SUPRAFLEX® 27MC 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. The metal mesh reinforcement allows it to operate in applications with vibration and medium pressures.

Can be used in: Steel flanges, digesters, compressors, mills, chimneys, transmissions, boilers (gas inlets), furnaces (gas inlets), small motors, saturated steam pipes up to 7 bar, level sight glasses.

Disponible como piezas cortadas:



www.raitech.mx

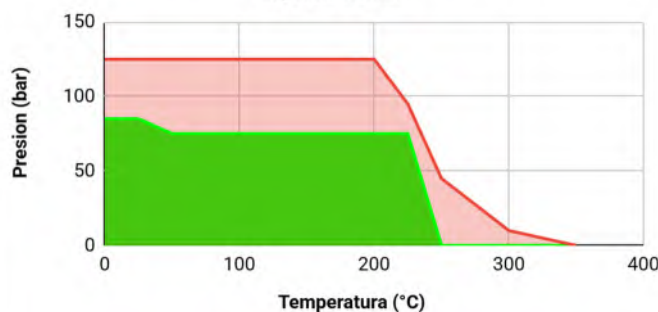
TECHNICAL DATA

Properties:	SUPRAFLEX® 27MC Sheet
Composition:	ARA:MAX® SD Aramid Fiber + NBR + 316L wire mesh + 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:	112.37 Lb/ft ³
Temperature, Max:	752 °F
Temperature, Min:	-40 °F
Temperature, Continuous:	419 °F
Pressure, Max:	1,813 Psi
Compressibility, ASTM F36a:	9-13 %
Recovery, ASTM F36a:	>50 %
Weight Increase, ASTM F146, FUEL B:	13% %
Thickness Increase, ASTM F146, FUEL B:	11% %
Tensile Strength, ASTM F152:	2,321 Psi
Stress Relaxation, DIN 52913:	36 Mpa
Creep Relaxation, ASTM F38:	15 %
Sealability, ASTM F37:	1.2 ml/h
"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:	1/32", 1/16" & 1/8"
Dimensions:	60" x 60" (in)

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

Curva PxT - Supraflex® 27MC

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.