

NA1080

Compressed Sheet with Aramid Fibers, SBR Binder

Application:

Style NA1080 has numerous applications in the process industries handling media like: mild acids and alkalis, water, brine, saturated steam, air, industrial gases, general chemicals, neutral solutions.

Construction:

Style NA1080 is a compressed fiber sheet gasket material produced from a combination of Aramid Fiber, Inorganic Fillers and bonded with Styrene-Butadiene Rubber (SBR). It is manufactured under rigorous quality control standards that are registered under ISO-9001 certification.

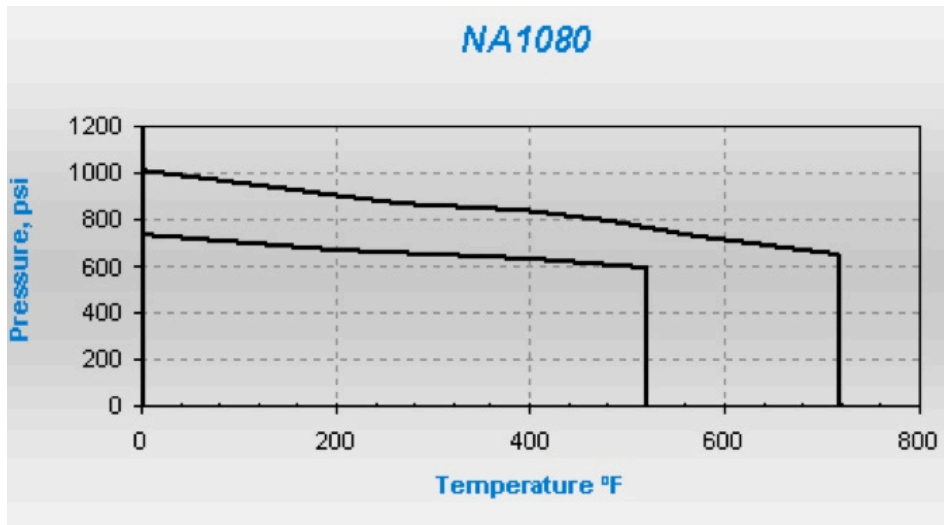
Availability	Size: 59 x 63 in 59 x 126 in
	Thickness: 1/64", 1/8"
Temperature	Continuous Service: 518°F (270°C)
	Maximum Service: 716°F (380°C)
Pressure	Continuous Service: 725 psi (50 bar)
	Maximum Service: 1015 psi (70 bar)
Color	Off White
ASTM Line Call Out F104	F712940E44M5



Typical Physical Properties:

Density	122 lb/ft ³ (1.96 g/cm ³)
Compressibility - ASTM F36 J	7-17%
Recovery - ASTM F36 J	min 45%
Tensile Strength Across Grain - ASTM F152	2030 psi (14 N/mm ²)
Ignition Loss	max 28%
Thickness Increase - ASTM F146 - After 5hr	
ASTM Oil IRM903 @ 300 °F (150°C)	max 40%
Fuel B @ 77 °F (25°C)	max 20%
Weight Increase - ASTM F146 - After 5 hr	
ASTM Oil IRM903 @ 300 °F (150°C)	max 30%
Fuel B @ 77 °F (25°C)	max 30%
Creep Relaxation- ASTM F38	22%
Torque Retention (DIN 52913)- ASTM F38	37 N/mm ²
Sealability, at 1000PSI- ASTM F37	0.25 ml/hr

Pressure x Temperature



The P x T graph shown above indicates the service limits for this sheet considering pressure and temperature simultaneously...(Tests were performed with nitrogen on 1.6mm thick sheet). The "normal" curve represents the common usage area for this sheet while the "maximum" curve indicates the maximum limits. For applications near or above the "maximum" curve, contact TEADIT.

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.