TEADIT®
Sealing for a safer and greener tomorrow

NA1100

Compressed Sheet with Carbon Fibers, NBR Binder

Application:

Style NA1100 is a premium grade, multi-service gasket sheet, designed to handle the extremes of pressure and temperature, and it cuts very easily and cleanly. The versatility of this sheet enables a plant to standardize on one sheet for a multitude of applications and avoid the confusion of having to choose from several different sheets. NA1100 is suitable for service handling the following general media categories:

- Mild organinc acids
- Diluted alkalis
- Saturated steam
- Synthetic oils
- Aliphatic solvents
- Mild organic acids
- Water
- Industrial gases
- Vegetable oils
- Neutral solutions
- Air
- Brine
- Animal oils
- Petroleum and Derivatives
- Refrigerants

Construction:

Style NA1100 is a compressed fiber sheet gasket material produced from carbon fibers and graphite, bonded with nitrile rubber (NBR). It is manufactured through the hot calendar process under rigorous quality control standards that are registered under ISO- 9001 certification. Teadit style NA1100 is also available wire reinforced.

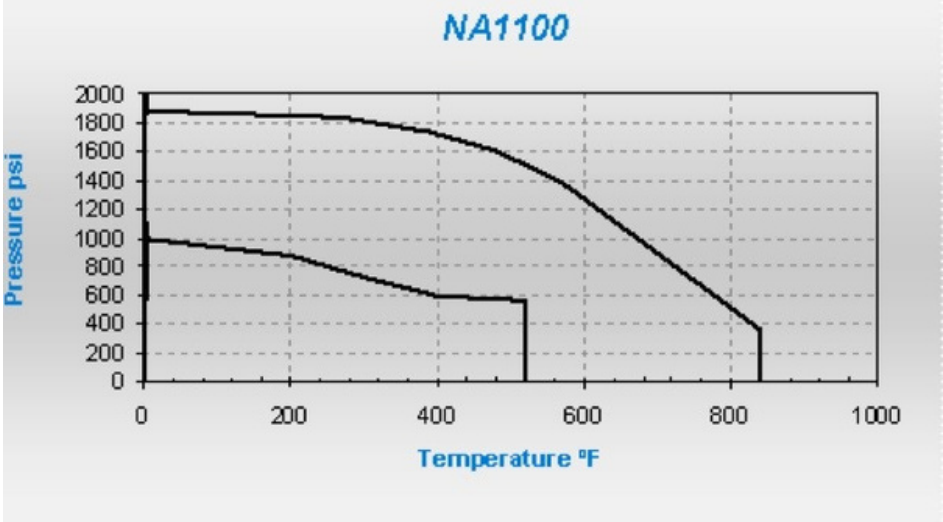
Availability	Size: 59 x 63 in 118 x 126 in
	Thickness: 1/64", 1/32", 1/16", 3/32", 1/8"
Temperature	Continuous Service: 518^0 F (270ºC)
	Maximum Service: 842^0 F (450ºC)
Pressure	Continuous Service: 1015 psi (70 bar)
	Maximum Service: 1885 psi (130 bar)
Color	Black
ASTM Line Call Out F104	F712120E23M6

Typical Physical Properties:

Density	106 lb/ft^3 (1.7 g/cm^3)
Compressibility - ASTM F36 J	5-15%
Recovery - ASTM F36 J	min 50%
Tensile Strength Across Grain - ASTM F152	2175 psi (15 N/mm^2)
Ignition Loss - F495	max 50%
Thickness Increase - ASTM F146 - After 5hr	
ASTM IRM903 @ 300 ^{0}F (150ºC)	max
Fuel B @ 77 ^{0}F (25ºC)	15%
Weight Increase - ASTM F146 - After 5 hr	max
ASTM IRM903 @ 300 ^{0}F (150ºC)	15% max
Fuel B @ 77 ^{0}F (25ºC)	15%
	max
	15%

Creep Relaxation- ASTM F38	22%
Torque Retention (DIN 52913)- ASTM F38	35 N/mm^2
Sealability, at 1000PSI- ASTM F37	0.2 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.