

# NA1122

# High Performance Steam Service Sheet, NBR

### Application:

Teadit style NA1122 was developed to exhibit superior thermal stability during extreme thermal cycling applications. It is specifically recommended for saturated and superheated steam services but has also proven itself to be very effective in sealing liquid petroleum derivatives, ethanol, chemical products and other fluids. Field tests have validated the results found in our laboratories and have confirmed the higher performance capabilities of NA1122.

### Construction:

Teadit style NA1122 is a compressed fiber sheet gasket material produced from a combination of inorganic fibers and special fillers, 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 NA1122 is also available wire reinforced.

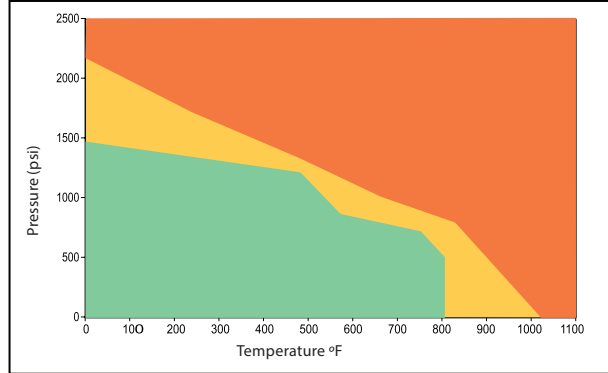
<b>Availability</b>	Size: 59 x 63 in 59 x 126 in
	Thickness: 1/64" to 1/8"
<b>Temperature</b>	Continuous Service: 806°F (430°C)
	Maximum Service: 1022°F (550°C)
<b>Pressure</b>	Continuous Service: 1480 psi (102 bar)
	Maximum Service: 2177 psi (150 bar)
<b>Color</b>	Black
<b>ASTM F104</b>	F712140E33-M9






### Typical Physical Properties:

Density - @ 1/32" thk	99.88 lb/ft <sup>3</sup> (1.6 g/cm <sup>3</sup> )
Density - @ 1/16" thk	91.14 lb/ft <sup>3</sup> (1.46 g/cm <sup>3</sup> )
Compressibility - ASTM F36 J - @ 1/32" thk	7-17%
Compressibility - ASTM F36 J - @ 1/16" thk	12-22%
Recovery - ASTM F36 J	min 40%
Tensile Strength Across Grain - ASTM F152	1305 psi (9 N/mm <sup>2</sup> )
Thickness Increase - ASTM F146 - After 5hr	
ASTM IRM903 @ 300 °F (150°C)	max 15%
Fuel B @ 77 °F (25°C)	max 15%
Weight Increase - ASTM F146 - After 5 hr	
ASTM IRM903 @ 300 °F (150°C)	max 30%

### P x T Diagram



-  General Suitability
-  Consultation is Recommended
-  Technical Consultation is Mandatory

For applications near or above the “peak” 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.