

# NA1001

## Compressed Sheet with Aramid Fibers, NBR Binder

### Application:

Style NA1001 is a very good general service gasket material that has numerous applications in the process industries and in the water and wastewater industry. It is also commonly used in equipment such as valves and pumps. Style NA1001 is suitable for service handling the following general media categories\*:

- Air
- General chemicals
- Refrigerants
- Aliphatic solvents
- Industrial gases
- Synthetic oils
- Brine
- Mild acid
- Vegetable oils
- Crude Oil/Petroleum
- Neutral solutions
- Water
- Diluted alkalis
- Petroleum Derivatives

### Construction:

Style NA1001 is a compressed fiber sheet gasket material produced from a combination of aramid and other synthetic fibers and 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.

<b>Availability</b>	Size: 59 x 63 in 59 x 126 in 118 x 126 in
	Thickness: 1/64", 1/32", 1/16", 3/32", 1/8", 1/4"
<b>Temperature</b>	Continuous Service: 464°F (240°C)
	Maximum Service: 750°F (400°C)
<b>Pressure</b>	Continuous Service: 725 psi (50 bar)
	Maximum Service: 1595 psi (110 bar)
<b>Color</b>	Green - NA1001G
	Blue - NA1001BL
	White - NA1001W
<b>ASTM Line Call Out F104</b>	F712120E22M5



### Typical Physical Properties:

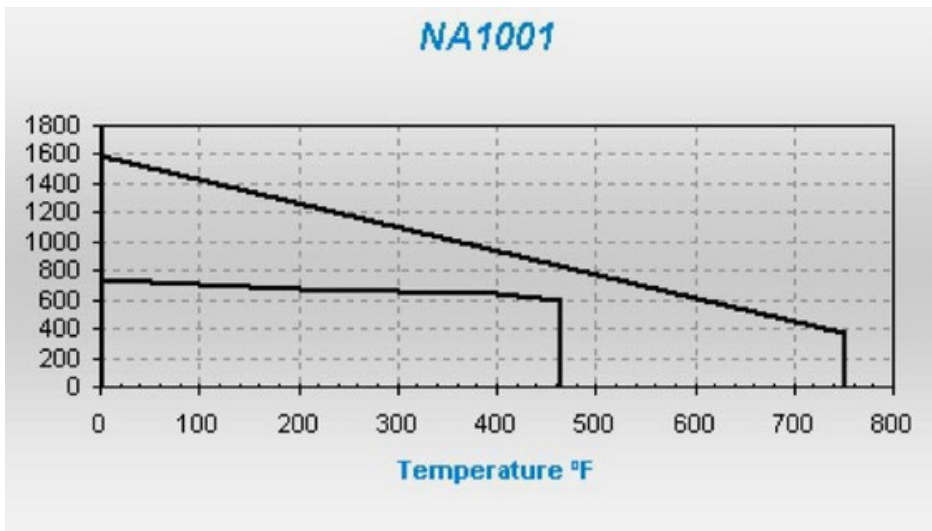
Density	109 lb/ft <sup>3</sup> (1.75 g/cm <sup>3</sup> )
Compressibility - ASTM F36 J	7-17%
Recovery - ASTM F36 J	min 45%
Tensile Strength Across Grain - ASTM F152	1670psi (11.5 N/mm <sup>2</sup> )
Ignition Loss - ASTM F495	max 34%
Thickness Increase - ASTM F146 - after 5hr	
ASTM IRM 903 @ 300°F (150°C)	max 12%
ASTM Fuel B @ 77°F (25°C)	max 10%

\*The specific makeup of the media should be evaluated for each application.



Weight Increase - ASTM F146 - after 5hr	
ASTM IRM 903 @ 300 °F (150°C)	max 15%
ASTM Fuel B @ 77 °F (25°C)	max 15%
Creep Relaxation- ASTM F38	25%
Torque Retention (DIN 52913)	28N/mm <sup>2</sup>
Sealability @ 1000psi - ASTM F37	max 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.

