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:
- Mild inorganic acids
- Mild organic acids
- Refrigerants
- Diluted alkalis
- Water
- Brine
- Aliphatic solvents
- Industrial gases
- Vegetable oils
- Synthetic oils
- Vegetable oils
- Petroleum and Derivatives
- General chemicals
- Neutral solutions
- Air

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.

### Availability
- 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"

### Temperature
- Continuous Service: 464°F (240°C)
- Maximum Service: 750°F (400°C)

### Pressure
- Continuous Service: 725 psi (50 bar)
- Maximum Service: 1595 psi (110 bar)

### Color
- Green - NA1001G
- Blue - NA1001BL
- White - NA1001W

### ASTM Line Call Out F104
- F712120E22M5

### Typical Physical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>109 lb/ft³ (1.75 g/cm³)</td>
</tr>
<tr>
<td>Compressibility - ASTM F36 J</td>
<td>7-17%</td>
</tr>
<tr>
<td>Recovery - ASTM F36 J</td>
<td>min 45%</td>
</tr>
<tr>
<td>Tensile Strength Across Grain - ASTM F38</td>
<td>1670psi (11.5 N/mm²)</td>
</tr>
<tr>
<td>Ignition Loss - ASTM F495</td>
<td>max 34%</td>
</tr>
<tr>
<td>Thickness Increase - ASTM F146</td>
<td>max 12%</td>
</tr>
<tr>
<td>ASTM IRM 903 @ 300°F (150°C)</td>
<td>max 12%</td>
</tr>
<tr>
<td>ASTM Fuel B @ 77°F (25°C)</td>
<td>max 10%</td>
</tr>
</tbody>
</table>
### Weight Increase - ASTM F146 - after 5hr

<table>
<thead>
<tr>
<th>Test Condition</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM IRM 903 @ 300°F (150°C)</td>
<td>max 15%</td>
</tr>
<tr>
<td>ASTM Fuel B @ 77°F (25°C)</td>
<td>max 15%</td>
</tr>
<tr>
<td>Creep Relaxation - ASTM F38</td>
<td>25%</td>
</tr>
<tr>
<td>Torque Retention (DIN 52913)</td>
<td>28N/mm²</td>
</tr>
<tr>
<td>Sealability @ 1000psi - ASTM F37</td>
<td>max 0.25 ml/hr</td>
</tr>
</tbody>
</table>

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### 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.