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 derivates, 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 non-asbestos 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.

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

Typical Physical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density ASTM F36 - @ 1/32&quot; thk</td>
<td>99.88 lb/ft³ (1.6 g/cm³)</td>
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<tr>
<td>Density ASTM F36 - @ 1/16&quot; thk</td>
<td>91.14 lb/ft³ (1.46 g/cm³)</td>
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<tr>
<td>Compressibility - ASTM F36 J - @ 1/32&quot; thk</td>
<td>7-17%</td>
</tr>
<tr>
<td>Compressibility - ASTM F36 J - @ 1/16&quot; thk</td>
<td>12-22%</td>
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<tr>
<td>Recovery - ASTM F36 J</td>
<td>min 40%</td>
</tr>
<tr>
<td>Tensile Strength Across Grain - ASTM F152</td>
<td>1305 psi (9 N/mm²)</td>
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<tr>
<td>Thickness Increase - ASTM F146 - After 5hr</td>
<td></td>
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</tbody>
</table>
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% |
General Suitability  Consultation is Recommended  Technical Consultation is Mandatory

For applications near or above the “peak” curve, contact Teadit

Ph: (416) 741-0750
Gasket@AbleSealAndDesign.com
www.SealAndDesign.com

Able Division
5533 Steeles Avenue West Unit 11
Toronto, Ontario M9L 1S7
Ph: (416) 741-0750
Gasket@AbleSealAndDesign.com

Seal & Design
Corporate Headquarters
4015 Casilio Parkway
Clarence, NY 14031
Ph: (716) 759-2222
Info@SealAndDesign.com
www.SealAndDesign.com

Seal & Design
Higbee Division
6741 Thompson Rd N
Syracuse, NY 13221
Ph: (315) 432-8021
Sales@Higbee-Inc.com

www.SealAndDesign.com