

# NA1088

## Compressed Sheet with Controlled Swell

### Construction:

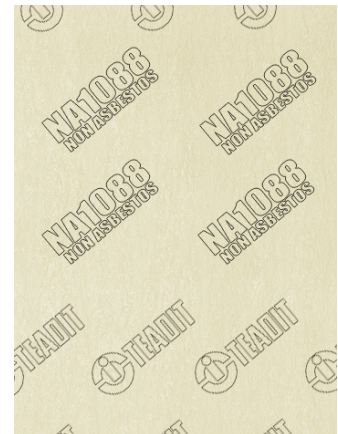
Style NA1088 is a controlled swell sheet gasket material with a proprietary binder & reinforced with a synthetic/inorganic fiber blend. It is designed for demanding applications requiring excellent sealability, torque retention, recovery, and conformability to uneven flange surfaces.

### Application:

Style NA1088 is used in difficult to seal applications where inadequate bolt loading or flange surface conditions are not ideal, in low to moderate flange load conditions. The material provides a controlled swell in the presence of oils, fuels, lubricants, and water/coolant. It is used in heavy duty & industrial oil sealing applications such as diesel engine oil in Compressors, Generators, Pumps, Fuel Pumps, Gear Boxes, Cast Water Flanges, Transformers, Sight Glasses, Access Covers, Handhole/Manhole.

<b>Availability</b>	Size: 59 x 63 in
	Thickness: 1/16", 3/32", 1/8"
<b>Temperature</b>	Continuous Service: 400°F (205°C)
	Maximum Service: 650°F (343°C)*
<b>Pressure</b>	Continuous Service: 500 psi (34.5 bar)
	Maximum Service: 1000 psi (69 bar)*
<b>Color</b>	Beige/ Off White

\* Consult with Teadit Engineering. Values are based on short term and peak conditions.



### Typical Physical Properties:

Density	103 lb/ft <sup>3</sup> (1.65 g/cm <sup>3</sup> )
Compressibility - ASTM F36 J	7-17%
Recovery - ASTM F36 J	min 45%
Creep Relaxation- ASTM F38	20%
Sealability @ 500psi - ASTM F37A	<0.05 ml/h
Sealability @ 3000psi - ASTM F37B	<0.05 ml/h
ASTM F146 IRM 903 - 150°C (300°F) after 5h	
Weight Increase	30-50%
Thickness Increase	30-50%
ASTM F146 Distilled Water - Room Temperature after 5h	
Weight Increase	10-35%
Thickness Increase	10-35%
ASTM F146 Distilled Water - 100°C (212°F) after 22h	
Weight Increase	10-35%
Thickness Increase	10-35%

Note: Specification values are for 0.8mm (0.031") thick sheets.

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.

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