

# Compressed Sheet with Controlled Swell



**Construction:**

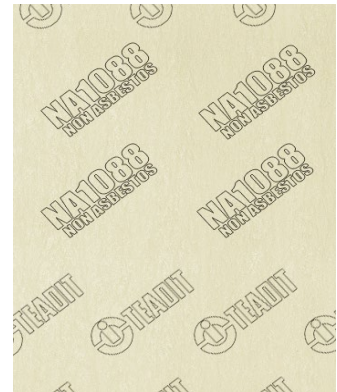
Style NA1088 is a controlled swell sheet gasket material with a proprietary binder & reinforced with a synthetic/ inorganic fiber blend. It is designed for demanding applications requiring excellent sealability, torque retention, recovery, and conformability to uneven flange surfaces.

**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	7-17%
Recovery - ASTM F36	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.



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