

1082 SAN

Compressed Sheet Sanitary Service Gasket Material

Construction:

Style 1082 SAN is specifically formulated to pass criteria established in NSF-61 for sealing materials, as well as providing excellent resistance to conductivity. Compressed Fiber Sheet technology provides mechanical and service characteristics unmatched by standard elastomeric grades.

Color: blue.

Specification Compliance: ASTM F104 –F712120E12M5

Application:

Style 1082 SAN is developed to allow compliance for drinking water system components with NSF-61, from source to tap. Certification to NSF-61 provides assurance to a highest level that 1082 SAN is safe for use in drinking water service. The gasket material was also tested and found to be in conformance per US FDA 21 CFR 177.2600.



Typical Physical Properties:

Density	1,95
After 1 hour at 210°F (100°C)	
Compressibility - ASTM F36 J	5-15
Recovery - ASTM F36 J	50
Tensile Strength Across Grain - ASTM F152	12
Thickness Increase - ASTM F146	
ASTM Oil IRM903 Nr. 3 5h / 300 °F (150°C)	15
Fuel B, 5h / 77°F 25°C	10
Weight Increase - ASTM F146	
ASTM Oil IRM 903 Nr.3, 5h / 300°F(150°C)	15
Fuel B, 5h / 77°F 25°C	10

Note: ASTM values for 0.8 mm and DIN values for 2.0 mm thick sheets.

Gasket Factors "m" and "y"⁽¹⁾

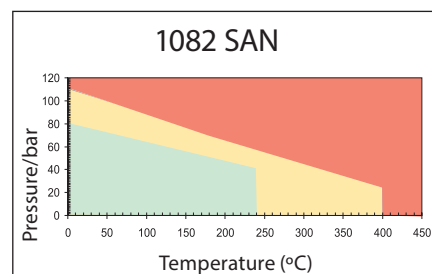
Thickness (mm)	"m"	"y" (psi)
1.6	3	2.900
3.2	4	3.600




(1) "m" and "y" are gasket factors to be used for flange designs only as specified in the ASME Boiler and Pressure Vessel Code Division 1, Section VIII, Appendix 2. These parameters are established experimentally in accordance with the characteristics of each gasket material. The gasket factors are not to be used as gasket seating stress values in actual service.

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.

Service Limits:

Temperature	Continuous Service: 500°F (260°C)
	Maximum: 400°C (752°F)
Pressure	Continuous Service: 80 bar
	Maximum: 110 bar



-  General Suitability
 -  Consultation is recommended
 -  Technical consultation is mandatory
- For applications near or above the "peak" curve, contact Teadit.

Availability:

Size 1500 x 1600 mm or 1500 x 3200 mm and Thickness 0.4 mm to 6.4 mm (1/64" to 1/4").

Approval:

NSF/ANSI 61

