



## NA1081 - Compressed Sheet with Kevlar® Fibers/NBR Binder

### CONSTRUCTION

**Style NA1081** is a compressed non-asbestos sheet gasket material produced from a combination of DuPont Kevlar®, Inorganic Fillers and bonded with Nitrile Rubber (NBR). It is manufactured under rigorous quality control standards that are registered under ISO-9001 certification.

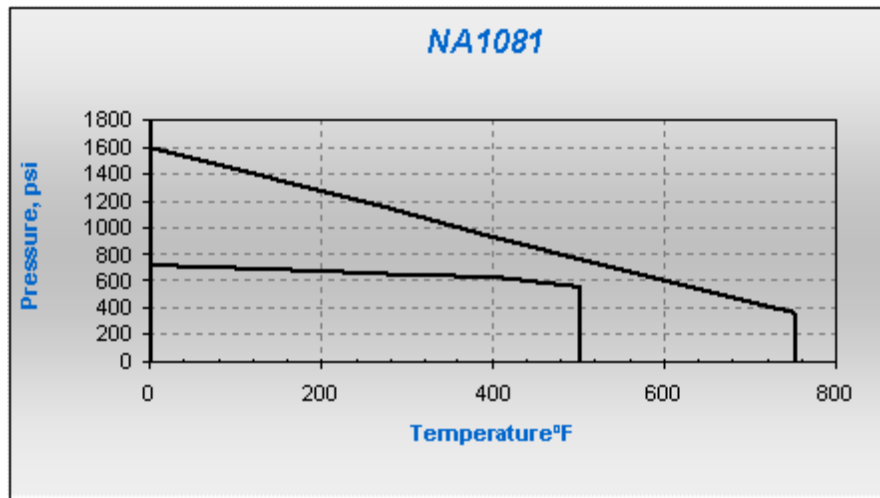
### APPLICATION / SERVICE

**Style NA1081** has numerous applications in the process industries handling media like: mild acids and alkalis, water, hydrocarbons, oils, gasoline, steam, air, industrial gases, general chemicals, neutral solutions.

SERVICE LIMITS		
Type	Description	Value
Temperature Limits	Maximum	752°F (400°C)
	Continuous Max	500°F (260°C)
Pressure Limits (Vacuum)	Maximum	1595 psi (110 bar)
	Continuous Max	725 psi (50 bar)
ASTM Line Call Out	F712220E23M5	
Color	Blue or Gray	
Available Sheet Sizes	Thickness	From 1/64" (0.4mm) to 1/8" (3.2mm)
	Sheet Sizes	59" (1500mm) x 63" (1600mm) 59" (1500mm) x 126" (3200mm)

TYPICAL PHYSICAL PROPERTIES		
ASTM Test Method	Property	Value
	Density	119.5 lb/ft <sup>3</sup> (1.92 g/cc)
F36	Compressibility	7-17%
F36	Recovery	min 50%
F152	Tensile Strength	1820 psi (12.5 MPa)
F495	Ignition Loss	max 26%
F146	Thickness Increase After 5 Hour Immersion	
	• ASTM oil IRM 903 @300°F (150°C)	max 15%
	• ASTM Fuel B @77°F (25°C)	max 15%
F146	Weight Increase After 5 Hour Immersion	
	• ASTM oil IRM 903 @300°F (150°C)	max 15%
	• ASTM Fuel B @77°F (25°C)	max 15%
F38	Creep relaxation	22%
	Torque Retention (DIN 52913)	37 N/mm <sup>2</sup>
F37	Sealability at 1000 psi	0.2 ml/h

## 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.

Properties and application parameters shown throughout this datasheet 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 supersedes all previous issues.

Copyright © 2008 Teadit N.A.  
1465 E. Sam Houston Pkwy South Suite 140 Pasadena TX 77503  
TOLL FREE: 800-999-0198 PHONE: 281-476-3900 FAX: 281-476-3999  
[sales@teadit.com](mailto:sales@teadit.com)