TEADIT®

Sealing for a safer and greener tomorrow

NA1081

Premium Compressed Sheet with Kevlar® Fibers, NBR Binder

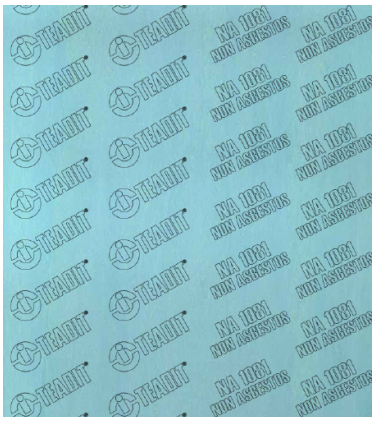
Application:

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.

Construction:

Style NA1081 is a premium compressed fiber 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.

Availability	Size: 59 x 63 in 59 x 126 in
	Thickness: 1/64"*, 1/8"
Temperature	Continuous Service: 500°F (260°C)
	Maximum Service: 752°F (400°C)
Pressure	Continuous Service: 725 psi (50 bar)
	Maximum Service: 1595 psi (110 bar)
Color	Blue
ASTM Line Call Out F104	F712220E23M5



Typical Physical Properties:

Density	119.5 lb/ft³ (1.92 g/cm³)
Compressibility - ASTM F36 J	7-17%
Recovery - ASTM F36 J	min 50%
Tensile Strength Across Grain - ASTM F152	1820 psi (12.5 N/mm²)
Ignition Loss	max 26%
Thickness Increase - ASTM F146 - After 5hr	
ASTM Oil IRM903 @ 300°F (150°C)	max 15%
Fuel B @ 77°F (25°C)	max 15%
Weight Increase - ASTM F146 - After 5 hr	
ASTM Oil IRM903 @ 300°F (150°C)	max 15%
Fuel B @ 77°F (25°C)	max 15%
Creep Relaxation- ASTM F38	22%
Torque Retention (DIN 52913)- ASTM F38	37 N/mm²
Sealability, at 1000PSI- ASTM F37	0.2 ml/hr

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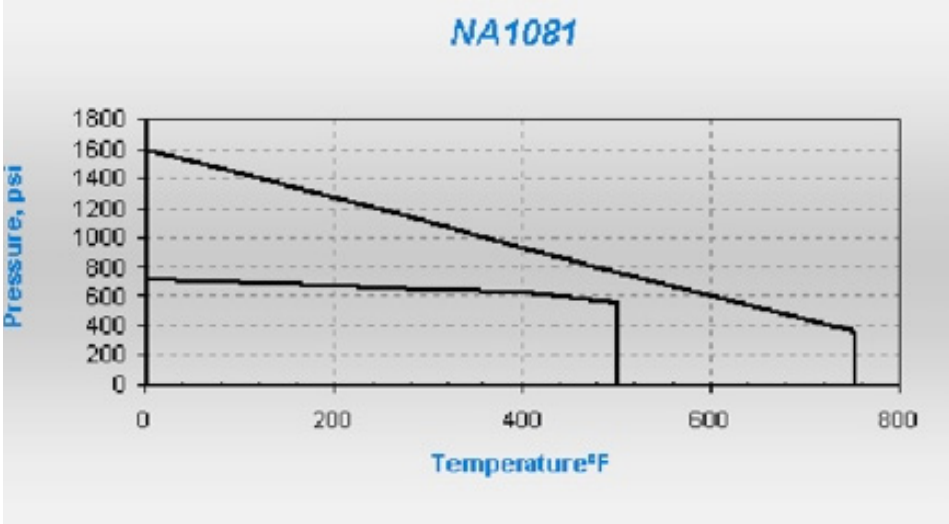
Pressure x Temperature



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.

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