



## NA1000M - Compressed Sheet with Aramid Fibers/Metal/NBR Binder

### CONSTRUCTION

**Style NA1000M** is a compressed non-asbestos sheet gasket material produced from aramid fibers, reinforced with a woven wire mesh and bonded with nitrile rubber (NBR). The sheet is graphited on both sides. Style NA1000M is manufactured through the hot calendar process under rigorous quality control standards that are registered under ISO-9001 certification.

### APPLICATION / SERVICE

**Style NA1000M** is a premium service gasket material that is ideally suited for applications with fluctuating pressures and temperatures. It has a broad range of applications in the process industries and in the water and wastewater industry. It is also commonly used in equipment such as pumps and valves. Style NA1000M is suitable for service handling that following general media categories:

- Mild inorganic acids
- Mild organic acids
- Aliphatic Solvents
- Diluted alkalis
- Water
- Brine
- Air
- Industrial Gases
- Animal Oils
- Synthetic oils
- Vegetable Oils
- Petroleum and Derivatives

### SERVICE LIMITS

Type	Description	Value
Temperature Limits	Maximum	720°F (380°C)
	Continuous Max	390°F (200°C)
Pressure Limits (Vacuum)	Maximum	1450 psi (100 bar)
	Continuous Max	580 psi (40 bar)
ASTM Line Call Out F104	ASTM 713230E23M6	
Color	Black	
Available Sheet Sizes	Thickness	1/32", 1/16", 3/32", 1/8"
	Sheet Sizes	59" x 63" 59" x 126"

### TYPICAL PHYSICAL PROPERTIES

ASTM Test Method	Property	Value
-	Density	118 lb/ft <sup>3</sup> (1.9 g/cm)
F36	Compressibility	10-20%
F36	Recovery	min 40%
F152	Tensile Strength Across Grain	2680 psi (18.5 N/mm <sup>2</sup> )
F495	Ignition Loss	max 37%
F146	Thickness Increase After 5 Hour Immersion	
	• ASTM IRM 903 @300°F (150°C)	max 20%

F146	<ul style="list-style-type: none"><li>• ASTM Fuel B @77°F (25°C)</li></ul> Weight Increase After 5 Hour Immersion	max 15%
	<ul style="list-style-type: none"><li>• ASTM IRM 903 @300°F (150°C)</li><li>• ASTM Fuel B @77°F (25°C)</li></ul>	max 20% max 15%
F38	Creep relaxation	-
	Torque Retention (DIN 52913)	-
F37	Sealability at 1000 psi	-

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.

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