

STYLE NA1000M

Compressed Sheet Packing Aramid Fibers with Mesh 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
- Concentrated alkalis
- Diluted alkalis
- Water
- Brine
- Saturated steam
- Air
- Industrial Gases
- Animal Oils
- Synthetic oils
- Vegetable Oils
- Petroleum and Derivatives
- General chemicals
- Aliphatic Solvents
- Aromatic solvents
- Chlorinated solvents
- Oxygenated solvents
- Neutral solutions
- Refrigerants

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 ³ (1.9 g/cm) |
| F36 | Compressibility | 10-20% |
| F36 | Recovery | min 40% |
| F152 | Tensile Strength Across Grain | 2680 psi (18.5 N/mm ²) |
| F495 | Ignition Loss | max 37% |
| F146 | Thickness Increase After 5 Hour Immersion | |
| | <ul style="list-style-type: none"> ● ASTM IRM 903 @300°F (150°C) ● ASTM Fuel B @77°F (25°C) | <ul style="list-style-type: none"> max 20% max 15% |
| F146 | Weight Increase After 5 Hour Immersion | |
| | <ul style="list-style-type: none"> ● ASTM IRM 903 @300°F (150°C) ● ASTM Fuel B @77°F (25°C) | <ul style="list-style-type: none"> 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.