

# NI-4002

## Standard/Nonasbestos Gasket Material F339997E92M9

### Description

NI-4002 is a non-asbestos facing material that, when combined on perforated metal core, is intended for elevated temperature applications such as exhaust systems. It has an inorganic filler system encapsulated by nitrile butadiene rubber binder, giving it low ignition loss and good torque retention properties.

### Specification Properties

| Property                             | Value             | Method      |
|--------------------------------------|-------------------|-------------|
| Density, g/cc(lb/cu.ft)              | 0.88 (55) (min.)  | ASTM F 1315 |
| Compressibility, % (at 34.5MPa)      | 15 - 30           | ASTM F 36   |
| Recovery, %                          | 25 (min.)         | ASTM F 36   |
| Tensile Strength, AMD, MPa(psi)      | 2.07 (300) (min.) | ASTM F 152  |
| Fluid Resistance, IRM903 Oil         |                   | ASTM F 146  |
| Change in Thickness, %               | 10 (max.)         |             |
| Change in Weight, %                  | 70 (max.)         |             |
| Fluid Resistance, Fuel B             |                   | ASTM F 146  |
| Change in Thickness, %               | 10 (max.)         |             |
| Change in Weight, %                  | 55 (max.)         |             |
| Fluid Resistance, Glycol/Water 50/50 |                   | ASTM F 146  |
| Change in Thickness, %               | 15 (max.)         |             |
| Change in Weight, %                  | 80 (max.)         |             |
| Binder Type                          | Nitrile Butadiene |             |

### Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 7 materials.

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| Revision | Requester          | Description of Change   | Director of Product Engineering | Regional Sales Director | Segment Manager | Date of Change |
|----------|--------------------|---|---------------------------------|-------------------------|-----------------|----------------|
| 0        | Initial Data Sheet |   |                                 |                         |                 |                |
| A        | L. Gindlesperger   | Updated Data Sheet Template with Company Logo, Company Locations, and added 2nd page with Change Log. | N/A                             | N/A                     | R. Lavertu      | 5/28/21        |
|          |                    |   |                                 |                         |                 |                |
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