

# TN-9004

## Thermo-Tork®/Nonasbestos Gasket Material

F729100E33M9

### Description

TN-9004 is a heavy-duty, high density material with fully cured nitrile butadiene rubber binder. It has excellent resistance to fuel and oil, and has good tensile strength. It is intended for applications with high flange pressures and short duration maximum temperatures up to 350°C (650°F).

### Specification Properties

| Property                        | Value                         | Method      |
|---------------------------------|-------------------------------|-------------|
| Density, g/cc(lb/cu.ft)         | 1.52 (95) (min.)              | ASTM F 1315 |
| Compressibility, % (at 34.5MPa) | 5 - 20                        | ASTM F 36   |
| Recovery, %                     | 45 (min.)                     | ASTM F 36   |
| Tensile Strength, AMD, MPa(psi) | 17.24 (2500) (min.)           | ASTM F 152  |
| Fluid Resistance, IRM903 Oil    |                               | ASTM F 146  |
| Change in Tensile Strength, %   | 45 (max.)                     |             |
| Change in Thickness, %          | 15 (max.)                     |             |
| Change in Compressibility, %    | 25 (max.)                     |             |
| Fluid Resistance, Fuel B        |                               | ASTM F 146  |
| Change in Thickness, %          | 15 (max.)                     |             |
| Change in Weight, %             | 20 (max.)                     |             |
| Binder Type                     | Fully Cured 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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