



## Specification Data Sheet



### **TS-9003**

**Thermo-Tork® Nonasbestos Gasket material  
F729900E09M4**

#### Description:

TS-9003 is a controlled-swell gasket material with a latent cure styrene butadiene rubber binder. It is an alternative to high-swell asbestos and nonasbestos compressed sheet materials. Its latent cure binder and heat resistant fibers give it good oil sealing characteristics at low flange pressure, and it conforms well to irregular flange surfaces. It is intended for applications with short duration maximum temperatures up to 350°C (650°F).

| <b>Property:</b>                | <b>Specification:</b> | <b>Method:</b> |
|---------------------------------|-----------------------|----------------|
| Density, g/cc(lb/cu.ft)         | 1.44 (90) (min.)      | ASTM F 1315    |
| Compressibility, % (at 34.5MPa) | 15 - 30               | ASTM F 36      |
| Recovery, %                     | 20 (min.)             | ASTM F 36      |
| Tensile Strength, AMD, MPa(psi) | 6.90 (1000) (min.)    | ASTM F 152     |
| Fluid Resistance, IRM903 Oil    |                       | ASTM F 146     |
| Change in Thickness, %          | 45 - 85               |                |
| Fluid Resistance, Fuel B        |                       | ASTM F 146     |
| Change in Thickness, %          | 20 - 50               |                |
| Binder Type                     | Styrene Butadiene     |                |

#### Remarks and Related Documents:

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

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