



ACCURATE FELT & GASKET

## Material Specification

# 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).

## Specification Properties

| <u>Property</u>                 | <u>Value</u>       | <u>Method</u> |
|---------------------------------|--------------------|---------------|
| 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.

## CONTACT

### ADDRESS

3239 S. 51<sup>ST</sup> Ave.  
Cicero, IL 60804

### PHONE

708-780-9000

### EMAIL

sales@afgco.com

### WEBSITE

www.afgco.com

### ISO CERTIFIED

9001:2015

Interface Performance Materials®, EnCore®, Hydro-Fused®, MicroPore®, Pro-Formance®, Select-a-Seal®, Synthesseal®, ThermoTork®, and Voltoid® are registered trademarks of Lydall Performance Materials (US), Inc.

The information on this data sheet is based on laboratory test data we believe to be accurate, relevant and reliable. Please look upon these values as guides rather than absolutes. Since actual service conditions for a given application may vary substantially from standard laboratory conditions, specific recommendations or warranties relative to a specific end use cannot be made. The buyer is urged to conduct its own investigations and qualification tests to determine suitability for its intended application. Accurate Felt & Gasket Mfg. Co. shall not be liable for any damages arising out of the use of any of its guide specifications.