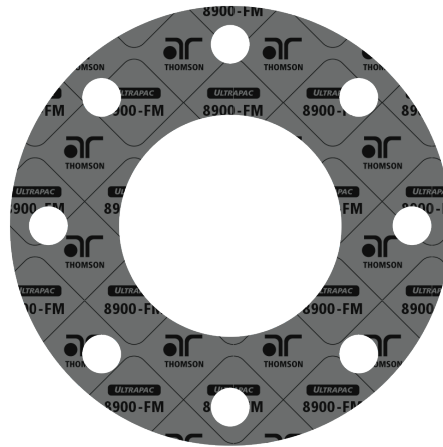


Thomson ULTRAPAC™ 8900-FM

Graphite / Carbon Fiber / Nitrile
316SS Flexmet™ Insert



FEATURES / BENEFITS

- Flexmet insert provides blowout resistance and extended pressure capability.
- Fire Safe Rating: passes DVGW VP-401 Fire Safety test.
- Superior sealability.
- Very flexible sheet ideal for cutting narrow cross sections or non-standard shapes and sizes.
- Good chemical compatibility.
- Excellent high temperature/high pressure sheet.
- Environmentally friendly: produced using a water-based process and is nitrosamine and solvent-free.

TYPICAL APPLICATIONS

- General Service sheet with high temperature and pressure capability. Fire Safe.
- Moderate service steam, high pressure conditions, hydrocarbons, oils, hot water and gasoline.
- Pulp and Paper, Oil Refining, Mining/Ore-Processing, Shipbuilding, Power Generation.

“M & Y” FACTORS

| Thickness | | “m” | “y” |
|-----------|-----|------------|------|
| in | mm | (no units) | psi |
| 1/16 | 1.6 | 2.2 | 5308 |
| 1/8 | 3.2 | 1.9 | 6773 |

SPECIFICATIONS

Construction:

Graphite / Carbon Fiber / Nitrile
316 Stainless Steel Flexmet Insert

Temperatures:

Minimum: -100°F (-75°C)
Intermittent: +950°F (+510°C)
Continuous: +660°F (+349°C)

Pressure, max: 2800 psi (193 Bar)

Color: Grey with Black branding.

See reverse for technical data.

TECHNICAL DATA - ULTRAPAC™ 8900-FM

Physical Properties

| TEST METHOD | TYPICAL PHYSICAL PROPERTIES | |
|-------------|--------------------------------------------------------------|----------|
| ASTM F36 | Compressibility: average, % | 35 |
| ASTM F36 | Recovery: % | 17 |
| DIN 28090-2 | Creep relaxation: % | 21 |
| ASTM F152 | Tensile across grain: psi | 1000 |
| DIN 28090-2 | Density: lbs/ft ³ (grams/cm ³) | 75 (1.2) |

Immersion Properties - ASTM F146 Fluid Resistance After Five Hours

| | ASTM IRM #903 300°F (150°C) | ASTM FUEL B 68°F (20°C) |
|------------------------------|--------------------------------|----------------------------|
| Thickness increase: % | 2.5 | 1.6 |
| Weight increase: % | 29.2 | 24 |

Sealing Characteristics

| | DIN 3535-6 NITROGEN |
|--------------------------|------------------------|
| Leakage: mg/(s-m) | .05 |

NOTES

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on nominal 2mm sheet thickness unless otherwise mentioned. When approaching maximum or minimum temperatures, or maximum operating pressure, consult A.R. Thomson Group.

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