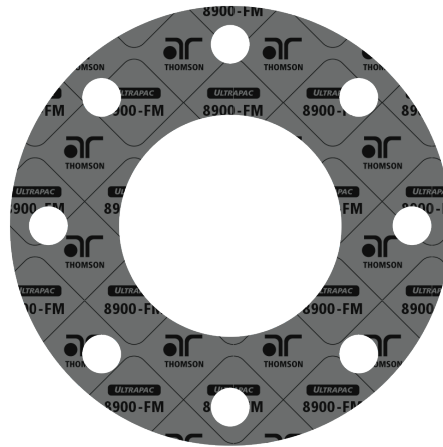


# Thomson ULTRAPAC™ 8900-FM

Graphite / Carbon Fiber / Nitrile  
316SS Flexmet™ Insert



## FEATURES / BENEFITS

- Flexmet insert provides blowout resistance and extended pressure capability.
- Fire safe rating: passes API 6FB 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	<b>Compressibility:</b> average, %	35
ASTM F36	<b>Recovery:</b> %	17
DIN 28090-2	<b>Creep relaxation:</b> %	21
ASTM F152	<b>Tensile across grain:</b> psi	1000
DIN 28090-2	<b>Density:</b> lbs/ft <sup>3</sup> (grams/cm <sup>3</sup> )	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)
<b>Thickness increase:</b> %	2.5	1.6
<b>Weight increase:</b> %	29.2	24

### Sealing Characteristics

	DIN 3535-6 NITROGEN
<b>Leakage:</b> 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.

## AUTHORIZED DISTRIBUTOR

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