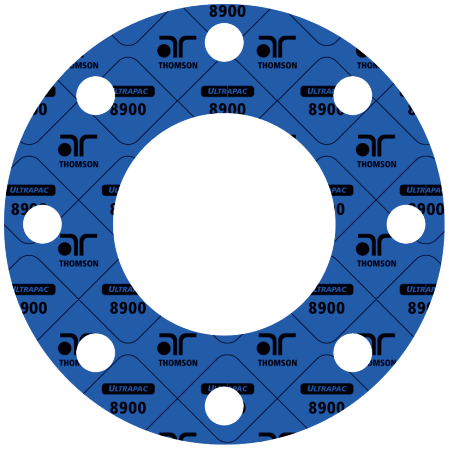
Thomson
ULTRAPAC™ 8900

Graphite / Carbon Fiber / Nitrile



FEATURES / BENEFITS

- Exceptional temperature and pressure capabilities.
- Fire safe rating: passes API 6FB Fire Safe test.
- Superior sealability.
- Very flexible sheet ideal for cutting narrow cross sections or non-standard shapes and sizes.
- Good chemical compatibility.
- Excellent general service and high temperature sheet.
- Environmentally friendly: produced using a water-based process and is nitrosamine and solvent-free.

TYPICAL APPLICATIONS

- General Service sheet with high temperature capability and Fire Safe rating.
- Moderate service steam, high pressure conditions, hydro-carbons, 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	5946
1/8	3.2	2	7252

SPECIFICATIONS

Construction:
Graphite / Carbon Fiber / Nitrile

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

Pressure, max: 2175 psi

Color: Royal Blue with Black branding.

See reverse for technical data.

TECHNICAL DATA - ULTRAPAC™ 8900

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/ft³ (grams/cm³)	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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