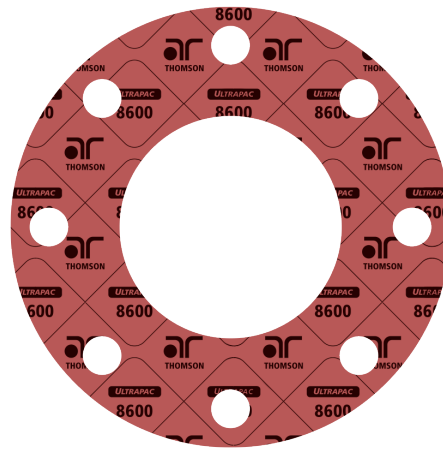


Thomson ULTRAPAC™ 8600

Graphite /Aramid /Nitrile



FEATURES / BENEFITS

- Excellent general service sheet.
- Outstanding mechanical properties and handleability.
- Very flexible sheet for cutting narrow cross sections or non-standard shapes and sizes.
- Increased temperature capability due to lower binder content.
- Superior chemical compatibility.
- Environmentally friendly: produced using a water-based process and is nitrosamine and solvent-free.

TYPICAL APPLICATIONS

- High Performance general service sheet material for fabrication of gaskets in moderate service conditions in Pulp and Paper, Petroleum, Wastewater, Mining and Shipbuilding industries.
- Saturated Steam, hot water, hydrocarbons, oils and gasoline.

“M & Y” FACTORS

Thickness		“m”	“y”
in	mm	(no units)	psi
1/16	1.6	3	6237
1/8	3.2	3	7977

SPECIFICATIONS

Construction: Graphite /Aramid /Nitrile

Temperatures:

Minimum: -100°F (-75°C)

Intermittent: +825°F (+440°C)

Continuous: +600°F (+315°C)

Pressure, max: 1500 psi

P x T, max:

P x T, max psig x °F (bar x °C)

1/32" & 1/16" 450,000 (16,250)

1/8" 322,000 (11,645)

Color: Red with Black branding.

See reverse for technical data.

TECHNICAL DATA - ULTRAPAC™ 8600

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36	Compressibility: average, %	20
ASTM F36	Recovery: %	32
DIN 28090-2	Creep relaxation: %	20
ASTM F152	Tensile across grain: psi	1300
DIN 28090-2	Density: lbs/ft ³ (grams/cm ³)	87.4 (1.4)

Immersion Properties - ASTM F146 Fluid Resistance After Five Hours		
	ASTM IRM #903 300°F (150°C)	ASTM FUEL A 70–85°F (20–30°C)
Thickness increase: %	5	5
Weight increase: %	20	17

Sealing Characteristics	
	DIN 3535-6 NITROGEN
Leakage: mg/(s-m)	0.5

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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