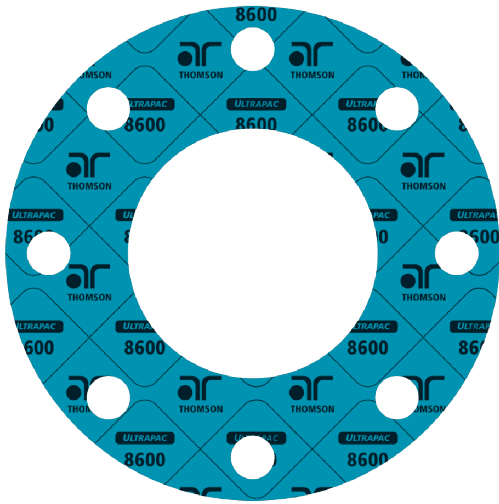


Thomson

# ULTRAPAC™ 8600



Graphite, Aramid, and functional inorganic fibers with Nitrile (NBR) binder. A unique material with very good temperature and chemical compatibility that is exceptionally easy to cut and fabricate hand cut gaskets from.

## FEATURES / BENEFITS

- Excellent general service sheet.
- Outstanding mechanical properties and handle ability
- Very flexible sheet for cutting narrow cross sections or nonstandard 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.

## SPECIFICATIONS

**Construction:**  
Graphite / Aramid / Nitrile

**Colour:**  
Teal with Black branding.

**Temperatures:**  
Minimum: -100°F (-75°C)  
Intermittent: +662°F (+350°C)  
Continuous: +482°F (+250°C)

\*For continuous temperatures over 500°F (260°C) contact A.R. Thomson.

**Max Pressure:**  
1500 psi (103 bar)

\*See reverse for additional technical data.

\*Contact A.R. Thomson for further discussion on the application and details.

# TECHNICAL DATA - ULTRAPAC™ 8600

Physical Properties			
TEST METHOD	TYPICAL PHYSICAL PROPERTIES		
ASTM F36J	<b>Compressibility:</b> average, %	35%	
ASTM F36J	<b>Recovery:</b> %	25%	
DIN 28090-2	<b>Creep relaxation:</b> %	3.5%	
ASTM F152	<b>Tensile across:</b> room temp.	5 MPa / 725 psi	
DIN 28090-2	<b>Density:</b> grams/cm <sup>3</sup>	1.25	
Immersion Properties - ASTM F146 Fluid Resistance After Five Hours			
	<b>ASTM IRM #903</b> 300°F(150°C)	<b>ASTM Fuel B</b> 74°F(23°C) @ 5 Hrs.	
<b>Thickness Increase:</b> %	3	3	
<b>Weight Increase:</b> %	30	25	
Sealing Characteristics			
	<b>DIN 3535-6 Nitrogen</b>		
<b>Leakage:</b> mg/(s-m)	0.05		
“ M & Y ” Factors			
Thickness		“m”	“y”
in	mm	(no units)	psi
1/16	1.6	2.7	4641
1/8	3.2	3.7	5511

## NOTES

ASTM properties based on 2mm (0.079”) thickness unless otherwise noted. This is a general guide and should not be the sole means of selecting or rejecting this material. Based on ANSI RF flanges at our preferred torque - when approaching maximum pressure, continuous operating temperature, minimum temperature, consult A.R. Thomson Group Inc. The data listed here falls within the normal range of product properties but should not be used to establish specification limits nor used alone as the basis of design.

## AUTHORIZED DISTRIBUTOR

Limitation of liability: actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group Inc. does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet.



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