

# Thomson ECLIPSE® 7576



## TYPICAL APPLICATIONS

- Suitable for strong caustics, sodium hydroxide, pulp cooking liquors (white, black, & green) 0-14pH, chlorine dioxide (CLO<sub>2</sub>), solvents, and sulfur dioxide (SO<sub>2</sub>). Acid applications.
- Mining (sulfuric acid leaching process and PAL - pressure acid leaching).
- Cryogenics, hydrocarbons, water, and saturated steam less than 100 psi (7 bar), 338°F (170°C).
- Pulp and Paper, Food Processing, Pharmaceutical, Chemical Processing, Brewing and Distilling, and Water Treatment.
- Non-metallic or fragile flanges and flanges with less bolt load available.

The NEXT GENERATION 'All-in-One' PTFE sheet gasket that combines universal chemical compatibility with unmatched performance and versatility.

## FEATURES / BENEFITS

- Low load to seal.
- Universal chemical compatibility - one gasket for all PTFE gasket service.
- Premium, genuine filled Teflon™ ensures reliability, consistency and performance.
- Exceptional rigidity.
- Outstanding creep resistance and load retention.
- Excellent resistance to strong caustics and acids.
- Lays flat allowing for improved cutting and handling.

## SPECIFICATIONS

**Construction:**  
PTFE / Proprietary Filler

**Colour:**  
Grey with Black branding.

**Temperatures:**  
-450°F (-268°C)  
to 500°F (260°C)

**Max Pressure:**  
1200 psi (83 bar)

\*See reverse for additional technical data.

**Sheet Sizes:**  
Custom sheet sizes and thicknesses available upon request. Also available in larger 70" x 70" sheets.

Teflon™ is a registered trademark of The Chemours Company.

# TECHNICAL DATA - ECLIPSE® 7576

## Physical Properties

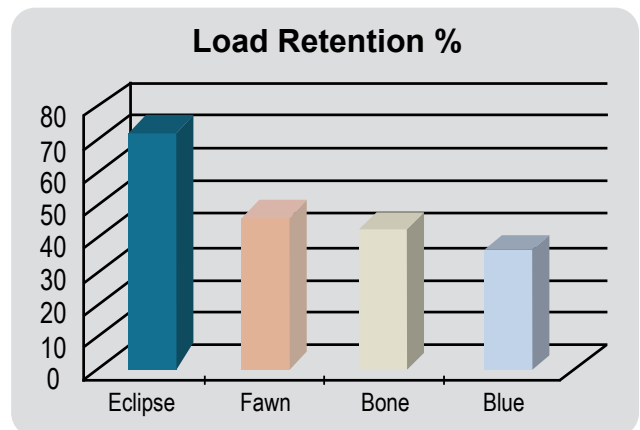
TEST METHOD	TYPICAL PHYSICAL PROPERTIES		
ASTM F36 -15 Procedure M	<b>Compressibility:</b> %	68.1	
ASTM F36 -15 Procedure M	<b>Recovery:</b> %	7.4	
ASTM F38 -18 Test Method B	<b>Creep relaxation:</b> %	21.8 (Based on 1.1mm thickness.)	
ASTM F152	<b>Tensile strength:</b> psi	1100	
ASTM F586	<b>Design factors:</b>	<b>1/16"</b>	<b>1/8"</b>
	"m" factor	3.0	4.3
	"y" factor: psi	1600	1900
		<b>1/4"</b>	
		2.0	1800

## Sealing Characteristics

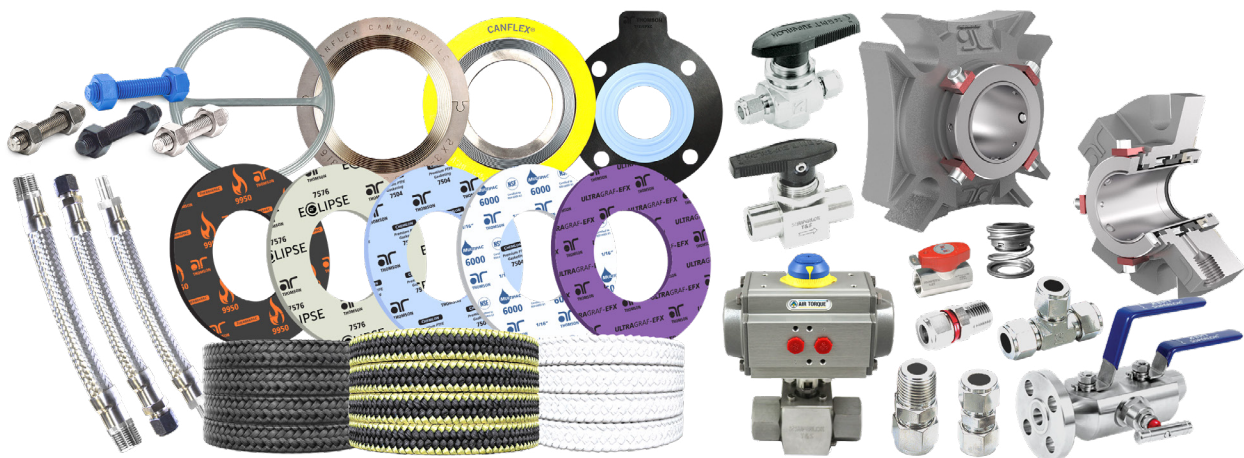
	ASTM F37-06 METHOD B NITROGEN
<b>Sealability:</b> ml/h	0.017 ml/h

## NOTES

ASTM properties based on 1.1 mm 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



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