

# Thomson ECLIPSE® 7576

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.
- Exceptional rigidity.
- Outstanding creep resistance and load retention.
- Excellent resistance to strong caustics and acids.
- Lays flat allowing for improved cutting and handling.
- FDA Compliant.

## TYPICAL APPLICATIONS

- Suitable for strong caustics and acids, chlorine, solvents, and sodium hydroxide.
- 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.

## SPECIFICATIONS

**Construction:** PTFE / Proprietary Filler

**Temperatures:**

Minimum: -450°F (-268°C)

Maximum: +500°F (+260°C)

**Pressure, max:** 1200 psi (83 bar)

**Colour:** Grey with Black branding.

**Sheet Sizes:**

Standard thicknesses: 1/32", 1/16", 3/32" & 1/8" 60" x 60" sheets.

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

See reverse for additional technical data.

## TECHNICAL DATA - ECLIPSE® 7576

Physical Properties		
TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM F36	<b>Compressibility:</b> %	35
ASTM F36	<b>Recovery:</b> %	26
ASTM F38	<b>Creep relaxation:</b> %	11 <sup>(1)</sup>
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
Sealing Characteristics		
	<b>ASTM F37 NITROGEN</b>	
<b>Sealability:</b> ml/h	.0038 <sup>(2)</sup>	

### NOTES

ASTM properties based on 1/16" (1.6 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 or 50% of maximum P x T, consult A.R. Thomson Group. 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.

- (1) Based on 1/32" thickness.  
 (2) Based on 1/8" thickness.

### AUTHORIZED DISTRIBUTOR

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