

## 1.0 COMPOSITION

359 is a cost effective general purpose stainless steel foil reinforced flexible graphite sheet.

## 2.0 USAGE

This material has excellent chemical resistance and thermal stability which makes this sheet a superior choice to compressed fiber sheet gasket for virtually all applications in the plant. 359 does not cold flow or harden at high temperatures. 359 has excellent compressibility allowing it to conform to irregularities on worn flanges and seal them effectively.

## 3.0 TYPICAL PROPERTIES

- A. Maximum Service Pressure – 2,000 PSI (138 Bar)
- B. Maximum Service Temperature (oxidizing) – 800°F (425°C)
- C. Maximum Service Temperature (non-oxidizing) – 1600°F ( 870°C)
- D. Minimum Service Temperature - -328°F (-200°C)
- E. Compressibility (ASTM-F-36) – 35% to 50%
- F. Recovery (ASTM-F-36) – 10% to 15%
- G. Sealability (ASTM-F-37) – 0.5 ml/hr
- H. Creep (ASTM-F-38) – <10%
- I. Thickness, Inches – 1/32” (0,8mm), 1mm, 1/16” (1,6mm), 2mm, 1/8” (3,2mm), 3/16” (4,8mm)
- J. Chemical Incompatibility – oleum, fuming nitric acid, aqua regia, and fluorine, also hydrochloric acid and hydrofluoric acid when used as a positive electrode.

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### A.W.CHESTERTON CO.

860 Salem Street  
Groveland, MA 01834 USA  
Telephone: 781-438-7000  
Fax: 978-469-6528  
[www.chesterton.com](http://www.chesterton.com)