

# Graphite

## Distinguishing Characteristics & Applications

Within the given temperature and pressure limits. Please see graphs. Typical values refer to 1/16" material unless otherwise specified. See pages 16 and 17 for test procedures

### Metal Insert

**Creep Relaxation** ASTM F38B (1/32")

**Sealability** ASTM F37A (1/32")

**Compressibility** ASTM F36A

**Recovery** ASTM F36A

**Purity of Graphite**

**Leachable Chloride Content**

F.S.A. Method (Typical)

**Density**

**Color** (Top/Bottom)

## KLINGER FLEXIBLE GRAPHITE HL\*

- Standard Industrial Grade Graphite
- Superior Chemical Resistance
- Highly Compressible & Compactible
- Low Gas Permeability
- Low Electrical Resistance
- Unlimited Shelf Life

N/A

10%

0.5 ml/hr

40-50%

10-15%

95% Minimum

50 ppm

70 lb/ft<sup>3</sup> (1.1 g/cc)

Silver

## KLINGER FLEXIBLE GRAPHITE SLS\*

- Graphite Adhesively Bonded to a .002" 316 Stainless Steel Foil
- Highly Compressible & Compactible
- Excellent Anti-Stick Properties
- Low Gas Permeability
- Low Electrical Resistance

0.002" 316 Stainless Steel Foil  
Adhesive bonded

10%

0.5 ml/hr

40-45%

10-15%

95% Minimum

50 ppm

70 lb/ft<sup>3</sup> (1.1 g/cc)

Silver

## KLINGER FLEXIBLE GRAPHITE PSM\*

- Graphite Mechanically Clinched to a .004" 316 Stainless Steel Tang Core
- Highly Compressible & Compactible
- Excellent Anti-Stick Properties
- Low Gas Permeability
- Low Electrical Resistance

0.004" 316 Stainless Steel Tang  
No adhesive

7%

0.5 ml/hr

28-42%

13-19%

95% Minimum

40 ppm

70 lb/ft<sup>3</sup> (1.1 g/cc)

Silver

\* All flexible graphite is available with Anti-Stick Coating. Call Thermoseal at 1-800-990-7325 for further data.

## Pressure and Temperature Graphs

Material Thickness: 1/16"

### Liquids

### Gases and Steam

