



## Product Data

### *Reinforced Graphite Laminates*

#### **Style Name: LS316**

**Description:** Flexible Graphite inserted with style 316 stainless steel foil.

#### **Typical Properties:**

Chemical Compositions of Flexible Graphite

Carbon Content :	99% Min.
Leachable Chloride:	20 ppm Max.
Total Sulfur:	1000 ppm Max.

Type of Insert: Style 316 stainless steel foil, 0.002<sub>i</sub> thick

M Factor:	2
Y Stress:	1000 psi
Compressibility:	40% (Tested under 5000 psi)
Recovery:	18% (Tested under 5000 psi)

#### Standard Size:

Thickness: 1/32<sub>i</sub>, 1/16<sub>i</sub>, 1/8<sub>i</sub> or other custom thickness  
Width: 39.4<sub>i</sub>, 60<sub>i</sub>  
Length: 39.4<sub>i</sub>, 60<sub>i</sub>

#### Applicable Media:

Water, sea water, steam, acids, alkalies, gases, oils, solvents, etc.,  
except strong oxidizers

#### Service Temperature:

Minimum:	-328°F (-200°C)
Maximum:	
	In air            932°F (480°C)
	In steam        1200°F (652°C)
	In reducing or inert media    5400°F (3000°C)

LS316 Reinforced Graphite Laminate is comparable to GH<sup>TM</sup>R, or BSSC<sup>TM</sup>.

GH<sup>TM</sup>R is a trade mark of UCAR. BSSC<sup>TM</sup> is a trade mark of Polycarbon  
The above data is typical and no warranty is implied thereof.

Rev. 10/15/08