



6859 Renoir Avenue Baton Rouge LA 70806
 Phone 225-924-3221 Fax 225-927-2918

Style SS316 Foil Reinforced Graphite Gasket Material

Material: Pure expanded graphite w/ SS316 Foil Core (0.05mm-0.7mm) Fluid Services: Gases, water, steam, hydrocarbons, Oils and greases, alcohol and Keytones, and many others	Temperature: min. -400° F (-240° C) to max. 842° F (450° C) in atmosphere +1200° F (+650° C) in steam Pressure: 2000 PSI (70 bar) P x T (max) ¹ : 700,000 (25,000) 1/16" and 1/32" 350,000 (12,000) 1/8"
---	--

<u>TEST METHOD</u>	<u>PHYSICAL PROPERTIES</u>	<u>TYPICAL</u>
<u>RESULTS</u>		
ASTM F-37B	Sealability Ml/hr. Leakage ASTM Fuel A (Isooctane): Gasket Load, 500 psi (3.5 N/mm ²) Internal Pressure, 9.8 psig (.7 bar) Nitrogen: Gasket Load, 3000 psi (20.7 N/mm ²) Internal Pressure, 30 psig (2 bar)	0.2 0.6
ASTM F-36	Recovery (%)	10-15
ASTM F-36	Compressibility (%)	40-50
ASTM F-38	Creep Relaxation (%)	10
ASTM F-152	Tensile Strength (psi) Across Grain (N/mm ²)	5000
	Density lbs/ft³ (grams/cm³):	70 (1.1)
DIN 3535 Part 4	Gas Permeation cc/min.: cc/min Nitrogen: Internal pressure: 580 psig (40 bar) Gasket Load: 4640 psi (32 N/mm ²)	0.2

NOTE: This is a general guide and should not be the sole means of selecting or rejecting this material.
¹P x T maximum = psig x °F (bar x °C)