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## Style PEGS

### Pure Expanded Graphite Sheet

Material: Pure expanded graphite	Temperature: min. -400° F (-240° C) to max. 850° F (454° C) in atmosphere
Fluid Services: Gases, water, steam, hydrocarbons, Oils and greases, alcohol and Keytones, and many others	+1200° F (+650° C) in steam Pressure: 2000 PSI (70 bar) P x T (max) <sup>1</sup> : 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 <b>ASTM Fuel A (Isooctane):</b> Gasket Load, 500 psi (3.5 N/mm <sup>2</sup> ) Internal Pressure, 9.8 psig (.7 bar) <b>Nitrogen:</b> Gasket Load, 3000 psi (20.7 N/mm <sup>2</sup> ) Internal Pressure, 30 psig (2 bar)	0.2    0.5
ASTM F-36	<b>Recovery (%)</b>	≥17
ASTM F-36	<b>Compressibility (%)</b>	≥40
ASTM F-38	<b>Creep Relaxation (%)</b>	≥5
ASTM F-152	<b>Tensile Strength (psi)</b> Across Grain (N/mm <sup>2</sup> )	600 (4.5)
DIN 3535 Part 4	<b>Gas Permeation</b> cc/min.: cc/min <b>Nitrogen:</b> Internal pressure: 580 psig (40 bar) Gasket Load: 4640 psi (32 N/mm <sup>2</sup> )	0.4

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