

**PERFORMANCE SERIES
Thermiculite® 715
Coreless Sheet**



Flexitallic L.P.
6915 Highway 225
Deer Park, TX 77356 USA
+1 281 604.2400

Flexitallic Ltd.
Scandinavia Mills
Hunsworth Lane
Cleckheaton, BD19 4LN UK
+44 1274 851273

www.flexitallic.com

Sheet Material properties and test data

Property	Value
Thickness (in.)	1/16
Density (lb/ft ³)	108
ASTM F36 Compressibility (%)	12
ASTM F36 Recovery (%)	41
DIN 3754 Stress Retention @ 570°F (psi)	3630
DIN 3754 Gas Permeability (mL/min)	<0.1
ASTM F152 Tensile Strength (psi)	1305
ASTM F146 Thickness Increase ASTM Oil 3 (%)	1.4
ASTM F146 Thickness Increase Fuel B (%)	0.2
ASTM F146 Weight Increase ASTM Oil 3 (%)	17.7
ASTM F146 Weight Increase Fuel B (%)	11.3
ASTM F38 Creep Relaxation 1/32 in. (%)	20.6
ASTM F37 Liquid Leakage (mL/hr) Fuel A at 10 psi; Gasket Stress 1000 psi	1.4

Thermiculite®

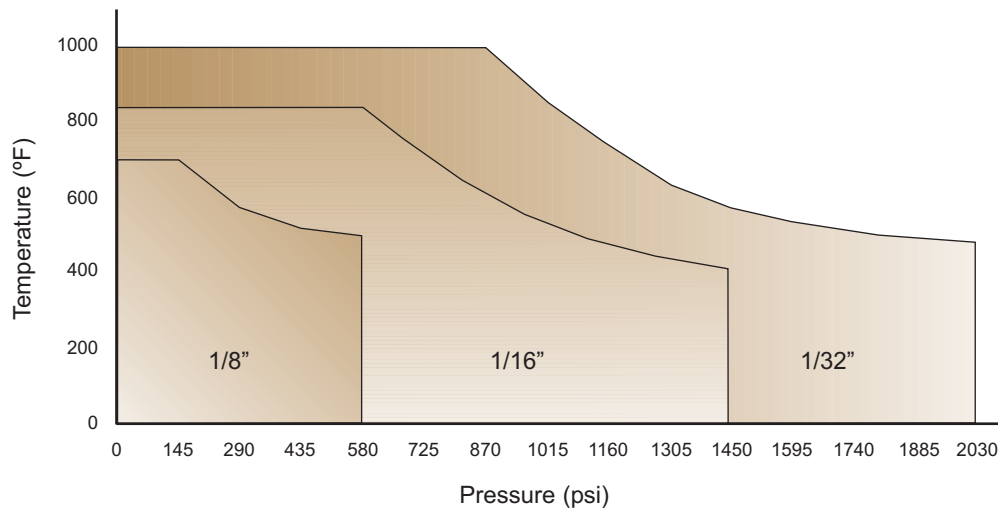
INNOVATIVE. VERSATILE. COMPLETE.



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Thermiculite® 715 Coreless Sheet
material for replacement of compressed
fiber and graphite sheet products.**

**Thermiculite 715 Pressure/Temperature
Service Envelope**

- Maximum recommended temperature: 1000°F (538°C)
- Maximum recommended pressure: 2030 psi (140 bar)
- These temperature and pressure guides cannot necessarily be used simultaneously and may not apply at all thicknesses.
- The recommended maximum continuous service temperature for 1/16 in. thick Thermiculite 715 is 850°F (454°C)



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**ROTT tests on Thermiculite®
715 Sheet Gasket, 124 x 149 x 1.7 mm**

Gb	1,031
a	0.243
Gs	9.68
T _p MIN	456
T _p MAX	92,899
S ₁₀₀	3,158
S ₁₀₀₀	5,529
S ₃₀₀₀	7,222
S ₁₀₀₀₀	9,678

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Design Properties

m	3.2
y	5,000 psi

