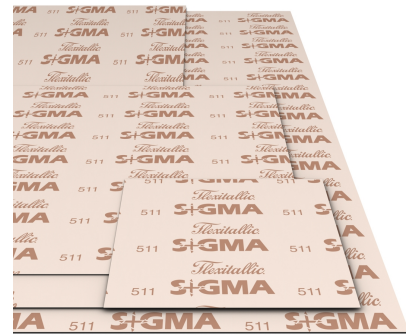




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Flexitallic Sigma 511

Flexitallic Sigma 511 has standard compressibility. It is good for use in applications with strong acids (except hydrofluoric) to general chemicals. This material can also be used for all concentrations of sulfuric acid. It is not suited for molten alkali metals, fluorine gas or hydrogen fluoride. The Sigma 511 is WRAS approved for hot and cold potable water services. Biaxially-oriented PTFE containing silica, and fawn in color.



Flexitallic Sigma 511	Physical Properties
Color	Fawn
Composition	Biaxially-oriented PTFE containing silica
Pressure	1235 psi
Service Temperature Maximum	500 ° F
Tensile Strength Cross Grain	2175 psi
Tensile Strength With Grain	2230 psi
Max Compressive Stress (DIN 28090-1)	228 N/mm ²
Compression Value Cold (DIN 28090-2)	1.8 %
Recovery Cold (DIN 28090-2)	0.9 %
Recovery Warm at 150 C (DIN 28090-2)	3 %
Setting Value Warm at 150 C (DIN 28090-2)	8.7 %
Initial Stress Minimum (DIN 28090-1)	8 N/mm ²
Max Compressive Stress at 200 C (DIN 28090-1)	100 N/mm ²
Dielectric Strength	17.7 kv/mm
ASTM F104 Callout	F452110E11M6