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Specification Sheet: *Sigma 511*

Product: *PTFE Based Sheet Jointing*

Trade Name: *Flexitallic Sigma 511*

Description: *A sheet sealing material containing PTFE with 'silica filler' pink in colour. It complies with the requirements of FDA regulations. WRC approved for use with potable water: Approval No 9304510.*

Service: *Suitable for use with Food and potable water. Suitable for sealing all chemicals with the exception of molten alkali metals, fluorine gas, hydrogen fluoride or materials which may generate these.*

*Recommended Max Temperature: 260°C
Recommended Max Pressure: 8.5 MPa (1235 PSI)
These temperatures and pressure guides cannot necessarily be used simultaneously and may not apply at all thicknesses.*

Do NOT use gasket pastes.

Physical Properties:	1.5mm thk	3.0mm thk
<i>Density</i>	<i>2.2 gm/cm³</i>	<i>2.2 gm/cm³</i>
<i>ASTM Compressibility</i>	<i>10%</i>	<i>7%</i>
<i>ASTM Recovery</i>	<i>41%</i>	<i>45%</i>
<i>ASTM Tensile Strength</i>	<i>15 Mpa</i>	<i>15 MPa</i>
<i>DIN Residual Stress @</i>	<i>175°C</i>	<i>31 Mpa 20MPa</i>
<i>DIN Gas Permeability</i>	<i>0.04 ML/min</i>	<i>0.01 ML/min</i>
<i>ASTM Liquid Leakage</i>	<i>4 ML/hr</i>	<i>3ML/hr</i>
<i>ASTM Creep Relaxation</i>	<i>35%</i>	<i>53%</i>