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Specification Sheet: **SPG7001**

Product: **SPG7001**

Description: *A semi-rigid laminated graphite material manufactured by a process which bonds two layers of graphite foil to a thin nickel reinforcement layer. The material contains no binder, respirable fibre or other additive and is totally non-toxic.*

Service: *The exfoliated high purity graphite provide a seal capable of with standing extreme temperatures and pressures. It is recommended for sealing against steam and most other media with the exception of strongly oxidising reagents.*

Graphite materials are suitable at Cryogenic Temperatures

Recommended Max Temperature:

*Oxidising Media 400°C
Inert or reducing Media 1000°C*

Recommended Max Pressure: 20 MPa (2900 PSI)

Use with strongly oxidising reagents should be avoided.

Physical Properties:

<i>Density</i>	<i>1.0 gm/cc</i>
<i>ASTM Compressibility</i>	<i>56%</i>
<i>ASTM Recovery</i>	<i>13%</i>
<i>BS Stress Relaxation</i>	<i>39 MPa</i>
<i>ASTM Oil 3 Thickness Increase</i>	<i>3%</i>
<i>ASTM Fuel B Thickness</i>	<i>4%</i>
<i>Tensile Strength</i>	<i>0.5 MPa</i>
<i>Leachable Chloride ion Content</i>	<i>50 PPM</i>
<i>Leachable Fluoride ion Content</i>	<i>50 PPM</i>

Figures shown in this data sheet are typical values. The above information is supplied in good faith but no liability is accepted by SPG Ltd. The data sheet does not act as a warranty and the end user should satisfy themselves of its suitability of the product for its intended use.