

Alapin Industrial Gasket Material is a high-performance grade of compressed non-asbestos fibre sheet. Often used for making flange gaskets, this gasket sheet is a general-purpose grade with good temperature and pressure resistance and compatibility with a variety of different media.

Alapin Gasket Sheet is produced from a specialised combination of high quality ingredients. These include mineral fibre and DuPont Kevlar Aramid Fibre. These are then bound with a NBR (Nitrile Butadiene Rubber) binder which gives the sheet excellent flexibility, compressibility and recovery characteristics.



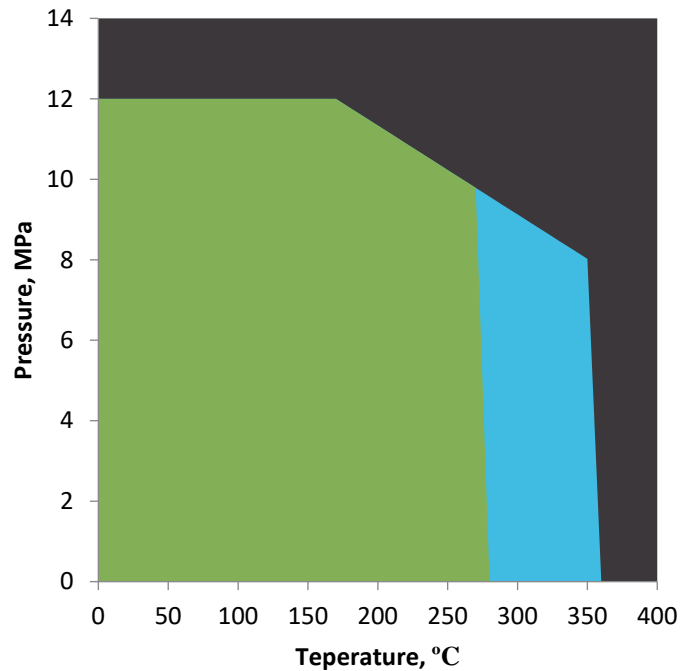
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Alapin Gasket Material can withstand elevated temperatures and has good recovery characteristics. It is a long-lasting gasket material that will resist embrittlement and can be cut precisely.

### Pressure vs Temperature Performance

Like most gasket sheets, Alapin's performance characteristics are defined by a relationship between the pressure being sealed and the temperature of the application.

The diagram on the right details the maximum pressure the material may be called on to seal depending on the temperature and vice versa.



- Alapin is normally suitable, subject to chemical compatibility.
- For steam applications, a technical evaluation is suggested.
- Limited application, do not install without a technical evaluation.

#### Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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**Technical Details**

Colour	Green		
Compressibility (ASTM F 36)	10%		
Elastic Recovery (ASTM F36)	55%		
Density (DIN 28090-2)	2.0gm/cm <sup>3</sup>		
Creep Relaxation (ASTM F38)	20%		
Tensile Strength (Across Grain) (DIN52910)	12 MPa		
Immersion in Oil 5 hours / 150°C (IRM 903)	Thickness Change	6%	
Immersion in Fuel B 5 hours / 20°C (ASTM F146)	Thickness Change	6%	
Kerosene 24 hours / 20°C (ASTM F146)	Thickness Change	5%	
Max. Continuous Operating Temperature (non-Steam)	340°C		
Max. Continuous Operating Temperature (non-Steam)	375°C		
Max. Continuous Operating Temperature (Steam)	255°C		
<b>Calculation Coefficients ASME</b>			
Tightness Class	Thickness	M	Y
L0,1	2mm	5.5	2.5 MPa
L1,0	2mm	2.4	1.0 MPa

Values listed are typical unless otherwise noted. This is a general guide and should not be the sole means of selecting this material.

**Available Sizes, Forms and Styles**

Alapin Gasket Sheet is available in a selection of thicknesses. Standards include...

*Available Thicknesses*

- 0.8mm
- 1mm
- 1.5mm
- 2mm
- 3mm
- 5mm

*Sheet Sizes, Cut Gaskets and Sealing Strips.*

In addition to the range of standard size sheets we offer on our site, we are happy to offer our Alapin Gasket Sheet cut to whatever size you need for your application. For more information on the range available, please do contact us.

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