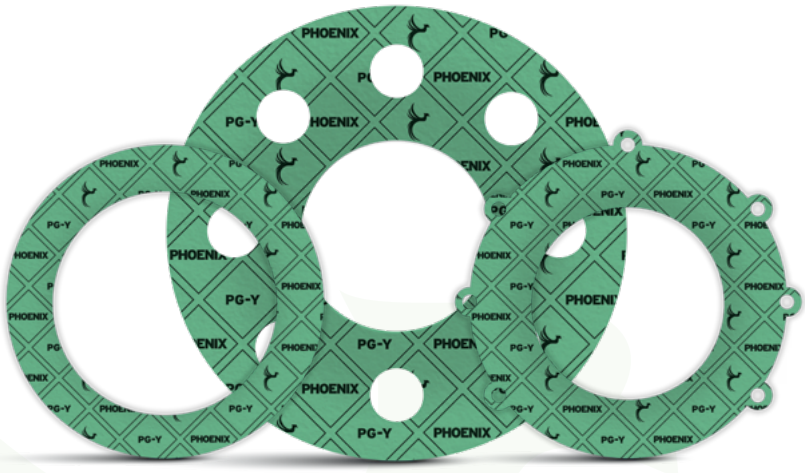
PG-Y
Technical Datasheet

PG-Y is a high quality grade of compressed sheet material based on aramid and inorganic fibre with a nitrile binder. Available in Full Face (FF), Inner Bolt Circle (IBC) or Custom Made (CM). We accommodate bespoke shapes and sizes, and can reverse engineer from existing gaskets or product faces. Just get in touch.



IBC FF CM

Application

PG-Y is a high performance gasket material meeting the requirements of BS 7531 Grade Y. The material has excellent sealing properties and is suitable for oils, water, solvents, gas, and many dilute acids and alkalis.

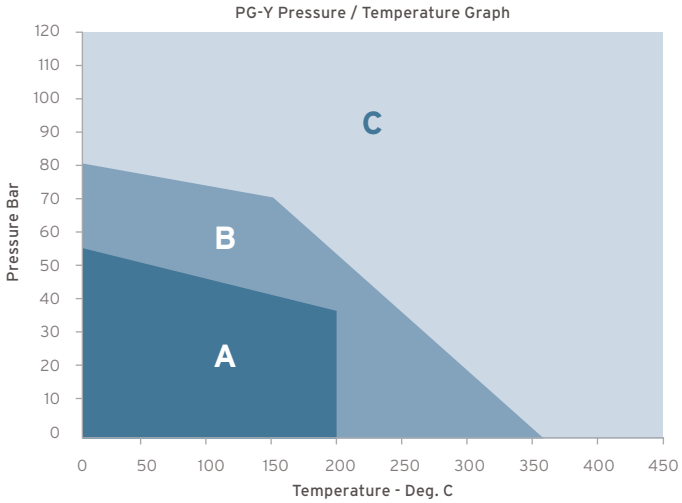
Typical Physical Properties

Thickness		1.5mm
Density		1.90g/cc
Tensile Strength	ASTM F152	12MPa
Compression	ASTM F36J	7% to 12%
Recovery	ASTM F36J	60%
Residual Stress	BS7531 (40N/mm² @ 300°C)	23 MPa
Gas leakage	BS7531	<0.5 ml/min
ASTM Oil 1	ASTM F146	2.5%
ASTM Oil 3	ASTM F146	5.0%
ASTM Fuel B	ASTM F146	4.0%

Availability

Thickness	0.25mm to 6.0mm
Sheet Size	1500mm x 1500mm, 4500mm x 1500mm 1900mm x 1900mm, 3800mm x 3800mm
Specification	BS7531 Grade Y
Colour	Green

Service



A = Suitable subject to chemical compatibility

B = Please contact our Technical Team

C = Not Suitable

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