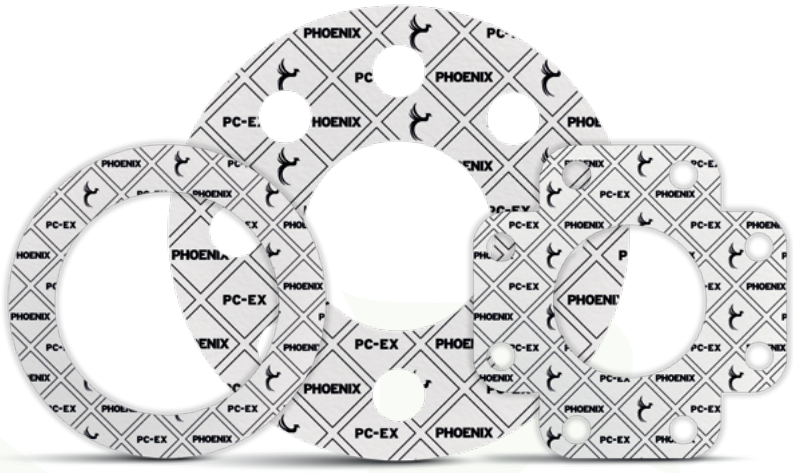
PC-EX
Technical Datasheet

PC-EX is a multi-directional, expanded PTFE sheet manufactured to have uniform strength in all directions. 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

PC-EX is a soft, compressible material with almost universal chemical resistance. It can be used to seal metallic, and non-metallic flanges such FRP, porcelain, plastic and glass-lined. PC-EX has exceptional mechanical strength and exhibits minimal creep.

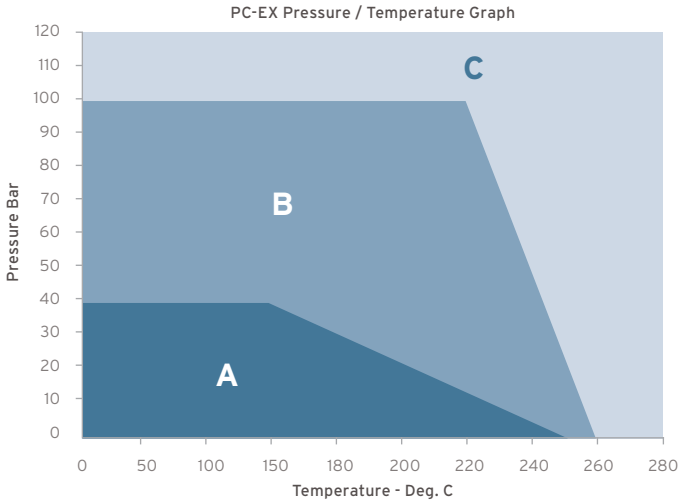
Typical Physical Properties

Thickness		1.5mm
Purity ePTFE		100%
Tensile Strength	ASTM F152	>20MPa
Compression	ASTM F36 M (34.5 MPa)	>45%
Recovery	ASTM F36 M (34.5MPa)	>10%
Residual Stress	DIN52913	>15MPa
Leakage Rate	DIN 3535-6 (40bar, N2)	<0.01 ml/min
Creep Relaxation	ASTM F38 (100°C)	≤22%
Min Temperature		-268°C

Availability

Thickness	0.5mm to 5.0mm
Sheet Size	1500mm x 1500mm
Specification	Conforms with FDA 21 CFR 177.1550
Colour	White

Service



A = Suitable subject to chemical compatibility

B = Please contact our Technical Team

C = Not Suitable

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