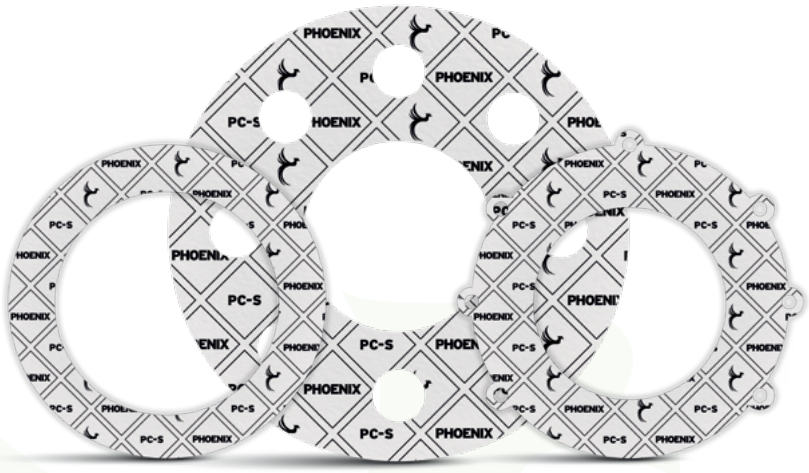
PC-S
Technical Datasheet

PC-S is a high performance PTFE material with a rigid, biaxially orientated core and highly conformable surface layers. 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

The soft surface layers are designed for glass-lined, FRP, ceramic, plastic and low bolt load applications. The rigid core reduces creep, enhances handling, and improves blow out. The material is suitable for sealing across the full pH range.

Typical Physical Properties

Thickness		1.5mm
Density		1.3g/cc
Tensile Strength	ASTM F152	8.5MPa
Compression	DIN-3536-6	44%
Recovery	DIN 3536-6	6.3%
Gas Leakage	DIN 3536-6	0.002 mg*s-1*m-1
Creep Relaxation	DIN 3535-6	26%
Qsmax 23°C	EN13555	170 Mpa
Qsmax 150°C	EN 13555	140 Mpa
Temperature Range		-268°C/+260°C
Max. Pressure		50 Bar

NOTE: The above pressure rating is dependent on the operating temperature, and does not apply at the maximum temperature.

Availability

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

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