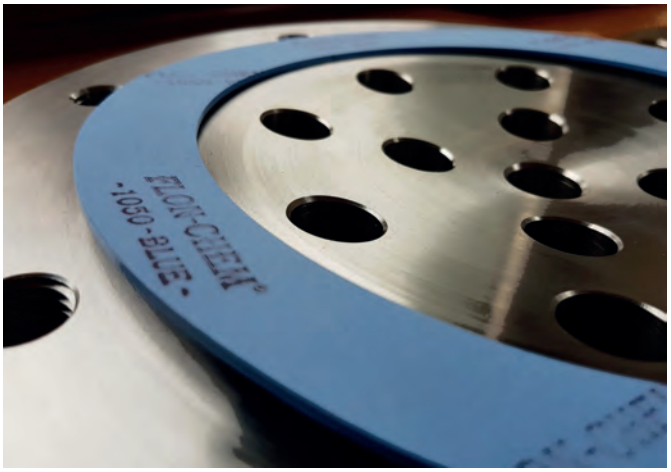
Flon-Chem®- 1050-BLUE



is the new generation of microstructured, reinforced PTFE gasketing materials. Due to the very homogenous distribution of hollow glass microspheres, FLON-CHEM®-1050-BLUE gets its uniform density and a high adaptability. It assimilates to flange roughness and unevenness, applying just low gasket stress, and reduces surface diffusion to the minimum.
Low compressive creep and high stableness lead to a reliable jointing.
With this FLON-CHEM®-1050-BLUE is the optimum PTFE gasketing for all flanges with slightly damaged surfaces, distorted flanges, steel, metal alloy, glass, ceramics or plastics flanges, glass lined piping systems

PRODUCT FEATURES:

Suitable for sealing all chemicals across the whole pH range (0 – 14) with the exception of molten alkali metals, fluorine gas, hydrogen fluoride or materials which may generate these.

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FDA COMPLIANCE:

FLON-CHEM®-1050-BLUE complies with FDA Regulation 21 CFR 177.1550 for use in contact with food.

AVAILABLE SIZE:

FLON-CHEM®-1050-BLUE is available in sheets size 1500mmx1500mm tolerance: +20/-0 and thickness 2 and 3 mm tolerance +/-10% , other thickness upon request .

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TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	UNITS	VALUE
Colour			BLUE
Max Operating Temperature		°C	- 200 / + 260
Max Operating Pressure		bar	50
PxT		bar x° C	12000
Density	ASTM D792	gr/cm3	1,70 +/-0,05
Compression Modulus 23°C - 20 MPa KSW		%	25
Creep Relaxation 23°C - 1 MPa KSW	DIN 28090-2	%	6
Compression Modulus 150°C - 20 Mpa 16h WSW	DIN 28090-2	%	35
Creep relaxation 150°C - 1 Mpa - 16h WSW	DIN 28090-2	%	4
Tensile Stenght	ISO 13000-2	Mpa	> 13
Elongation at Break	ISO 13000-2	%	> 200
Compressibility	ASTM F36A	%	> 40
Recovery	ASTM F36A	%	> 35
Leackage rate	DIN 3535-6	mg(s-m)	< 0,01
Y (1,5 -3,0mm)	ASME VIII	MPa	11 - 17,5
m (1,5 - 3,0mm)	ASME VIII	factor	3 - 3,8

ELECTRICAL PROPERTIES:

PROPERTIES	TEST METHOD	UNITS	VALUE
Volume resistivity	ASTM D257	Ohm * cm	10^{16}
Surface resistivity	ASTM D257	Ohm	10^{15}

Note : These are typical properties and not used for specification purpose

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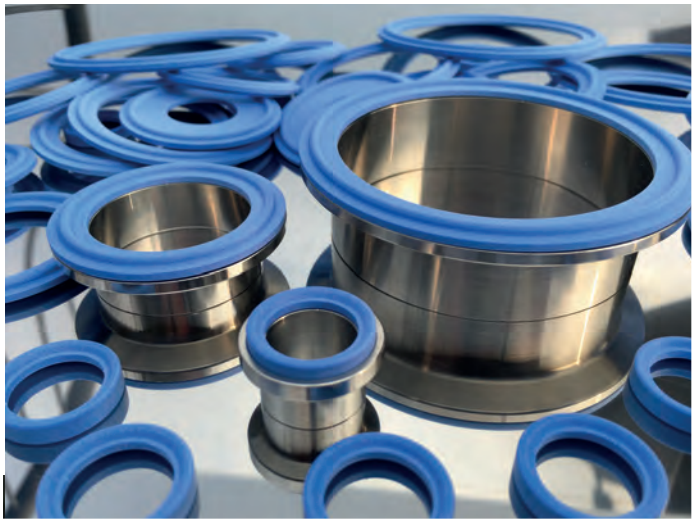

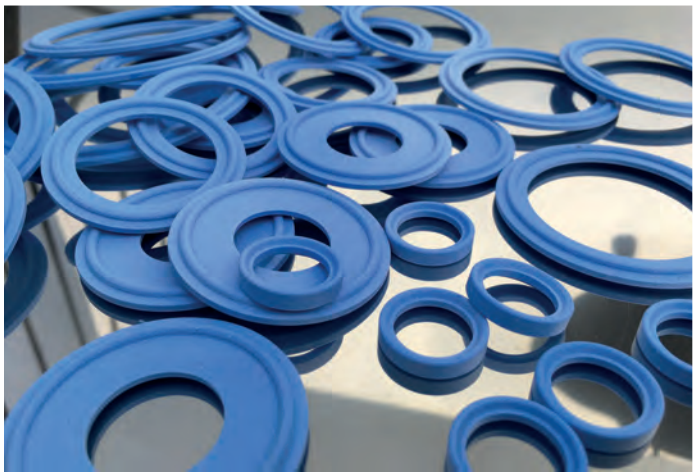

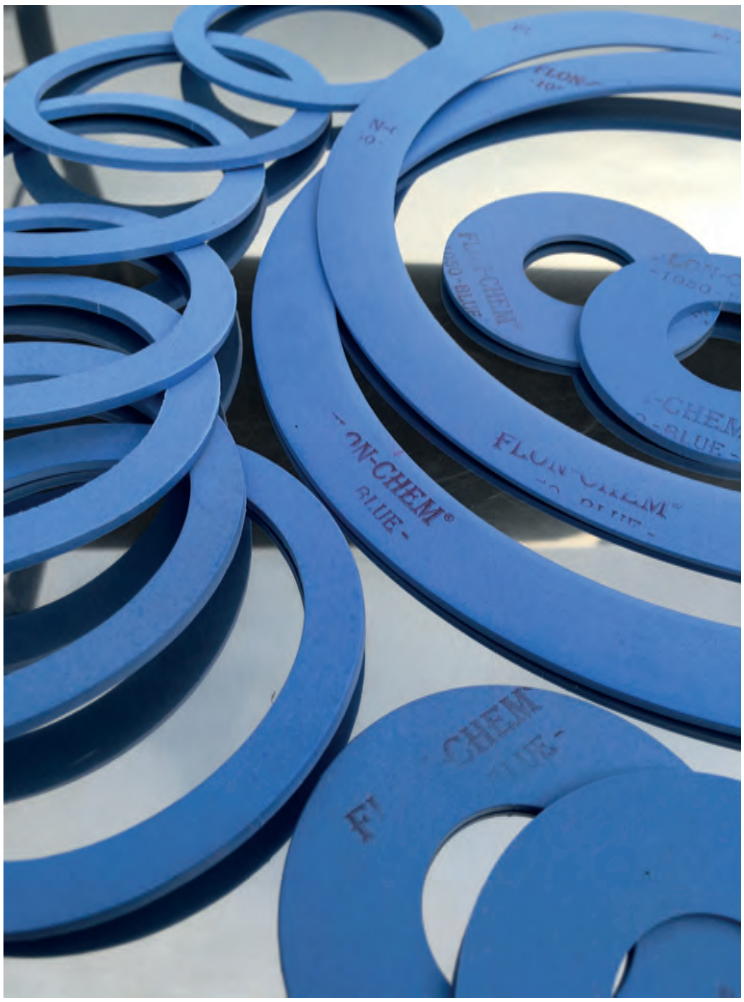

PRODUCT PROPERTIES:

- High compressibility and adaptability
- Chemically inert
- Suitable for high temperature applications up to +250 °C
- Resistant to "cold flow"
- High recovery
- Highly tight, already at low gasket stress
- Easy to remove
- Does not stick to the flange surface
- Conforms to FDA regulations

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