

SONFLON MODIFIED PTFE GASKET MATERIAL



Sonflon 7800 White

Modified PTFE with Barium Sulfate.

Description:

Sonflon 7800 has the best chemical resistance to strong alkalis. High mechanical resistance, high pressure resistance and strongly optimised creep properties are convincing features of the all-purpose flat gasket made from modified PTFE. The high purity of the gasket material, which is physiologically harmless, makes Sonflon 7800 the ideal solution for use in the food and pharmaceutical industry.



Sonflon 7810 Blue

Modified PTFE with hollow glass microspheres

Description:

Thanks to its extremely high compressibility, Sonflon 7810 is eminently suitable for use in stress-sensitive flanges, such as glass, ceramic and FRP flanges. Very good anti-stick properties are an outstanding feature of the all-purpose gasket made from modified PTFE. Downtime is minimised as a result, while machine reliability and availability are increased. Excellent media resistance makes Sonflon 7810 the ideal solution for use in the chemical industry.



Sonflon 7830 Fawn

Modified PTFE with silica

Description:

Sonflon 7830 offers a very good balance between chemical resistance and reduced creep properties. The flat gasket is not affected by concentrated acids either (except for hydrofluorides). The all-purpose gasket made from modified PTFE is therefore the product of choice for process industry applications. High mechanical resistance at both high pressure and high temperatures makes Sonflon 7830 the ideal solution for use in the chemical and petrochemical industry.



Technical Data

Properties (2mm)	Test Standard	Unit	Sonflon 7800	Sonflon 7810	Sonflon 7830
Color			White	Blue	Fawn
Temperature		°C	-210 to 260	-210 to 260	-210 to 260
pH			0-14	0-14	0-14
Pressure		bar	83	83	83
P x T	Thickness 1.5mm	bar x °C	12000	12000	12000
	Thickness 3.0mm	bar x °C	8600	8600	8600
Density	ASTM D 792	g/cm ³	2.9	1.7	2.1
Compressibility	ASTM F 36 A	%	10	30	10
Recovery	ASTM F 36 A	%	40	30	40
Tensile Strength	ASTM 152	MPa	14	14	14
Creep Deformation	ASTM F 38	%	11	40	18
Sealability	DIN 3535	mg/s · m	0.015	0.015	0.015

Dimension

Thickness: 1.5; 2.0; 3.0mm Size: 1500 mm x 1500 mm