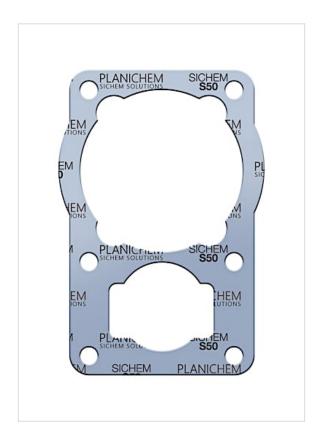
## PLANICHEM SICHEM SOLUTIONS

## SICHEM S50



Bidirectional PTFE	Sichem S50
Composition	Modified PTFE with Hollow Glass microspheres filler
Density ASTMF 1315	1.4 g/cm³
Minimum operating temperature	-260 °C
Maximum operating temperature	260 °C
Max operating pressure	50 bar
P x T Max.( Thk 0.8 - 2.0 mm)	12000 Bar x °C
P x T Max. ( Thk 3.0 mm)	8500 Bar x °C
Leakage DIN 3535-6	<0.05 mg*s-1*m-1
Creep relaxation DIN 3535-6	<19 %
Compression DIN 3535-6	>32 %
Recovery DIN 3535-6	>7 %
Minimum PH	0
Maximum PH	14
Available sheets size	1500x1500 mm 1750x1750 mm
Available thickness	0.75 mm 1.0 mm 2.0 mm 2.5 mm 3.0 mm 4.0 mm 5.0 mm 6.0 mm
Thickness tolerance	+/- 10 %
Sheet size tolerance	+/- 50 mm
Chemical Compatibility Limits	Not compatible with fluorinated compounds and molten salts



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.