



Bidirectional PTFE	Sichem S50
Composition	Modified PTFE with Hollow Glass microspheres filler
Density ASTM F 1315	1.4 g/cm ³
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



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