

## TECHNICAL DATA SHEET

**Features:** Sichem® S11 is a high performance biaxially orientated sheet sealing material containing modified PTFE with silica filler.

**Applications:** Sichem® S11 is suitable for sealing all chemicals across the whole pH range with the exception of molten alkali metals, fluorine gas, hydrogen fluoride or materials which may generate these.

Colour		Pink
Composition		Modified PTFE silica filler
Density	g/cm <sup>3</sup>	2,2
Operative temperature range	°C	-260/+260
Max operating pressure	Bar	80
P x T max	Bar x °C	
thickness 0,75 ÷ 2,0 mm		12000
thickness 3,0 mm		8500
Leakage	mg*s <sup>-1</sup> *m <sup>-1</sup>	<0,05
Creep Relaxation	%	<24
Compression range	%	>4
Recovery	%	<1,7
Ph range	-	0-14
Insulating values refferring to the thk. 3 mm		
ACV (for 60 seconds)	V	1500
DCW (for 60 seconds)	V	1500
IR (for 10 seconds)	Mega Ω	>1,00
Available sizes : (mm) 1.500 x 1.500; (inch) 60" x 60"		
Available thickness: (mm) 0,75 ÷ 1,0 ÷ 1,5 ÷ 2,0 ÷ 2,5 ÷ 3,0 ÷ 4,00 ÷ 5,00 ÷ 6,00; (inch) 1/32" ÷ 3/64" ÷ 1/16" ÷ 3/32" ÷ 1/8" ÷ 3/16" ÷ 7/32" ÷ 1/4";		
Other thickness available on demand.		

Other sheet sizes and thicknesses available upon request.  
Maximum temperature and pressure values cannot be used simultaneously.  
Typical parameters of 2 mm thickness jointing.  
For a detailed list of our approvals please visit the dedicated area on our website  
[www.planichem.com](http://www.planichem.com)

All technical data is based on laboratory tests.  
FMI reserves the right to modify the characteristics of its entire product range without obligation to anyone.

