

## TECHNICAL DATA SHEET

**Features:** Sichem® S33 is a high performance biaxially orientated sheet sealing material containing modified PTFE with barium sulphate filler.

**Applications:** Sichem® S33 is suitable for sealing all chemicals across the whole pH range (0-14) with the exception of molten alkali metals, fluorine gas, anhydrous HF and sulphuric acid at concentrations >75% and temperatures above 65°C.

Colour		White
Composition		Modified PTFE, barium sulphate
Density	g/cm <sup>3</sup>	2,8
Operative temperature range	°C	-260/+260
Max operating pressure	Bar	80
Leakage	mg*s <sup>-1</sup> *m <sup>-1</sup>	<0,005
Creep Relaxation	%	<28
Compression range	%	>4,3
Recovery	%	>2,1
Ph range	-	0-14
<p>Available sizes : (mm) 1500 x 1500; (inch) 60" x 60"</p> <p>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";</p> <p>Other thickness available on demand.</p> <p>Thickness 0.75 mm available in the size 1000 x 1000; (inch 40" x 40")</p>		

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.



Via Consolare, 41/43 - 25030 Zocco di Erbusco - (BS) ITALY  
Tel. +39 030 7386033 - Fax +39 030 7386035

[www.planichem.com](http://www.planichem.com)