

PRODUCT REFERENCE	SICHEM® S91		
DESCRIPTION	Microcellular structured modified PTFE sheet with baryte filler.		
COLOUR	WHITE		
SERVICE	<p>SICHEM® S91 has been designed in order to achieve high compressibility, high recovery and high chemical inertness. The microcellular structure allows to achieve high compression and high sealability at low bolt torque values. In this way the sealability is achieved before the yielding point of the material in order to serve other mechanical properties. The chemical composition has been developed in order to withstand high aggressive chemical environments.</p> <p>Peak temperature + 310°C Maximum recommended temperature + 260° C Minimum recommended temperature - 200 ° C Maximum recommended pressure: 70 bar</p> <p><small>These temperature and pressure guides cannot necessarily be used simultaneously and may not apply at all thickness. Do not use gasket pastes.</small></p>		
TYPICAL PHYSICAL PROPERTIES	Thickness	2	mm
	Density	2.0	g/cm ³
	Compressibility Din3535-6 EKS	> 35	%
	Recovery Din3535-6 ERS	> 6	%
	DIN 3535-6 Leakage	< 0.005	mg s ⁻¹ m ⁻¹
	DIN 3535-6 Creep Relaxation	< 18	%
AVAILABILITY:	SHEET SIZE	1500 x 1500 / 1750 x 1750	
TOLERANCES	THICKNESS RANGE	1,0 / 1,5 / 2,0 / 2,5 / 3,0 / 4,0 / 5,0 / 6,0	
	SIZE	+/- 50 mm	
	THICKNESS	+/- 10 %	

Quality system accredited ISO 9001:2008

This technical data is the result of laboratory test. It has to be considered as standard; to get a specific suggestion about the best material for each application it is necessary to give as many details as possible. Temperature and pressure values cannot be reached simultaneously and may not be apply at all thicknesses. F.M.I is issuing this literature as a pure informative document.

