

PRODUCT REFERENCE

SICHEM® S59

DESCRIPTION

SICHEM® S59 is a high performance biaxially orientated Modified PTFE sealing sheet, containing inorganic MICA filler.

COLOUR

Dark gray - Black

SERVICE

SICHEM S59 is specifically designed to minimize emissions from hazardous solvents and chemicals withstanding high pressure and temperature ranging and from standard raised face flange assemblies operating at a constant temperature to process equipment subject to heavy thermal cycling.

Thanks to his high mechanical resistance and his low coefficient friction SICHEM S59 is recommended as linear bearing strip material, primarily, on the ways and gibs of machine tools. It provides low friction, stick-slip free operation, long life and minimum wear.

SICHEM S59 is suitable for sealing strong acids, strong caustics, aromatic and aliphatic hydrocarbons, heat transfer fluids, steam and refrigerants.

Maximum recommended temperature	+ 260° C
Minimum recommended temperature	- 200 ° C
Maximum recommended pressure:	80 bar (8.0 MPa)
PH range	0 – 14

These temperature and pressure guides cannot necessarily be used simultaneously and may not apply at all thickness. Do not use gasket pastes.

TYPICAL PHYSICAL PROPERTIES

Thickness	2	mm
Density ASTM F 1315	2.1	g/cm ³
Compressibility Din3535-6 EKS	> 4.8	%
Recovery Din3535-6 ERS	> 3.2	%
DIN 3535-6 Leakage	< 0,0005	mg s ⁻¹ m ⁻¹
DIN 3535-6 Creep Relaxation	< 42	%

AVAILABILITY:

SHEET SIZE	1500 x 1500 / 1750 x 1750
THICKNESS RANGE	0,75 / 1,0 / 1,5 / 2,0 / 2,5 / 3,0
TOLERANCES	
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.

