

SC1100

The solution to problems of sealing

An innovative material to replace asbestos seals and conventional PTFE products

Features

- Superior chemical resistance
- Excellent resistance to deformation
- No ageing
- Good compressibility
- High sealability
- No water absorption
- Non-flammable
- Easy maintenance
(assembling / disassembling)

Uses

- Chemical and Petrochemical industry**
 - Heat exchangers
 - Piping
 - Flanged fittings
 - Valves
 - Pumps
- Food and Pharmaceutical industry**
 - Flat seals
 - Centrifuges

Property	Unit	Method	Value
Pressure, max	bar	/	80
Temperature, min	°C	/	- 200
Temperature, max	°C	/	+ 260
P x T, max	bar x °C	/	12.000
Density	g/cm ³	ASTM D792	2,20
Compression Modulus Room Temperature - 20 MPa	KSW %	DIN 28090-2	11
Creep Relaxation Room Temperature - 1 MPa	KRW %	DIN 28090-2	3
Compression Modulus 150°C - 20 MPa - 16 hours	WSW %	DIN 28090-2	45
Creep Relaxation 150°C - 1 MPa - 16 hours	WRW %	DIN 28090-2	4
Recovery	mm	DIN 28090-2	0,08
Leakage Rate	mg/(s·m)	DIN 28090-2	< 0,001
Leakage Rate (with Nitrogen)	cm ³ /min	DIN 3535	0,01
Compression Creep 150°C - 30 N/mm ²	MPa	DIN 52913	14

Colour : Light Blue

Size		
Dimension (mm)	1.500 x 1.500	Toll. +20 -0
Thickness (mm)	1,5 - 2,0 - 3,0	Toll. +10% -10%

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice. Deviations from the values here above indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.