

SC1200

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
- High compressibility
- High sealability
- No water absorption
- Non-flammable
- Easy maintenance (assembling / disassembling)
- Complies with FDA specifications

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	2,24
Compression Modulus	KSW	%	DIN 28090-2	7
Room Temperature - 20 MPa				
Creep Relaxation	KRW	%	DIN 28090-2	3
Room Temperature - 1 MPa				
Compression Modulus	WSW	%	DIN 28090-2	37
150°C - 20 MPa - 16 hours				
Creep Relaxation	WRW	%	DIN 28090-2	5
150°C - 1 MPa - 16 hours				
Recovery		mm	DIN 28090-2	0,09
Leakage Rate		mg/(s·m)	DIN 28090-2	< 0,001
Leakage Rate (with Nitrogen)		cm ³ / min	DIN 3535	0,01
Compression Creep		MPa	DIN 52913	16
150°C - 30 N/mm ²				

Colour : White/Grey

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.