

TECHNICAL DATA SHEET

SC 1100

The solution to problem of sealing

An innovative material to replace asbestos based 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

Properties	Unit	Method	Data - Moulded
PHYSICAL - MECHANICAL			
Density	g/cm ³	ASTM D792	2,15 - 2,25
Max P x T	bar x °C	/	12000
Max Pressure	bar	/	80
Compression modulus at room temperature - 20 MPa KSW	%	DIN 28090-2	11
Creep Relaxation at room temperature - 1 MPa - KRW	%	DIN 28090-2	3
Compression modulus at 150°C - 20 Mpa - 16 hours WSW	%	DIN 28090-2	45
Creep Relaxation at 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
THERMAL			
Service Temperature (min - max)	°C	/	- 200 / + 260

CD=Cross Direction

Colour: Light Blue

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 hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

REV. 01

October 2011



Guarniflon S.p.A.
PTFE Products Division
Via T.Tasso 12 - 24060 Castelli Calepio (BG) IT
Phone +39.035.4494311

Domestic Dept. Fax +39.035.4425191
Export Dept. Fax +39.035.4425238

VAT N. IT 01406020162 - Reg. Imp. BG
REA N. 203233 - Cod.Mecc. BG 003351
Cap. Sociale € 10.000.000 interamente versato

PTFE Finished and Semifinished Products
<http://www.guarniflon.com> | info@guarniflon.com
Accounting Dept. Fax +39.035.4425249



UNI EN ISO 9001:2008