

MATERIAL DATASHEET

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SC1100

SC1100 is a glass fiber filled PTFE gasket material that is colored light blue. It has excellent chemical resistance and anti-stick properties. It is suitable for chemically demanding applications with high purity requirements.

Applications



CHEMICAL &
PETROCHEMICAL
INDUSTRY



VALVE
INDUSTRY



FOOD PROCESSING
INDUSTRY



PUMP
INDUSTRY

Material Information

Manufacturer	Guarniflon
Composition	PTFE, Glass fiber filler (25 %)
Approvals	-
Colour	Light blue
Thickness (mm)	0,5; 0,8; 1,0; 1,5; 2,0; 2,5; 3,0; 4,0; 5,0; 6,0
Sheet dimensions (mm)	600 x 600; 1 000 x 1 000; 1 200 x 1 200; 1 500 x 1 500

Technical Data (2 mm thickness)

Density, ASTM D792 (g/cm ³)	Compressibility, ASTM F36J (%)	Recovery, ASTM F36A (%)
2,20	-	-
Tensile strength, ISO 527 (MPa)	Stress resistance, DIN 52913 (MPa)	Specific leak rate, DIN 3535-6 (cm ³ /min)
-	14 (30 MPa, 150 °C)	0,01
Thickness increase, ASTM F146 (%)	Compression modulus, DIN 28090-2 (%)	Creep relaxation, DIN 28090-2 (%)
- (Oil IRM 903, 150 °C, 5 h)	11 (ϵ_{KSW})	3 (ϵ_{KRW})
- (ASTM Fuel B, 23 °C, 5 h)	45 ($\epsilon_{WSW/150\text{ }^\circ\text{C}}$)	4 ($\epsilon_{WRW/150\text{ }^\circ\text{C}}$)
Peak temperature (°C/°F)	Continuous temperature (°C/°F)	Maximum pressure (bar/psi)
280/500	260/428	80/1 160