



CF1100 GrX TECHNICAL DATA SHEET

CF1100 GrX is composed of selected synthetic fibres and bonded with NBR.

This material is particularly indicated for universal uses, hydrocarbons, water, drinkable water, industrial water, sea water, gas and chemical products with low aggressiveness.

CF1100 GrX is a gasket material with excellent torque retention and good steam and thermal resistance in combination with good gas sealability..

CF1100 GrX is approved for use on gas (DVGW), use with drinkable water (Public Health Office), Germanischer Lloyd, CRS, UDT, HTB, applied for KTW and SVGW.

CF1100 GrX complies with the requirements of BS 7531 Grade X and covers the very wide application range.

CF1100 GrX have a surface treatment with graphite; ptfе and antistick coating is also available on request.

It can be supplied sheets and gaskets according to DIN-ANSI norms for flanges male-female, RF, FF, and with a drawing for heat exchanger.

CHARACTERISTICS

Materials:

-) Asbestos free (Glass fibers + NBR rubber)

Resistance:

-) Temperature: Peak: + 440 °C
Continuous: + 350 °C
Min: - 40°C

Density:

-) Pressure: max 100 Bar

-) 1.75 g/cm³

Compressibility:

-) 8 % (ASTM F36J)

Recovery:

-) 50 % (ASTM F36J)

Tensile strength:

-) 8 N/mm² (DIN 52910)

Stress resistance (DIN 52913):

-) 30 N/mm² (16h, 300 °C, 50 N/mm²)

-) 35 N/mm² (16h, 175 °C, 50 N/mm²)

Specific leak rate (DIN 3535/6):

-) 0.08 mg/sm

Thickness increase (ASTM F146):

-) 8 % (oil IRM 903, 5h, 150 °C)

-) 8 % (ASTM fuel B, 5h, 23 °C)

Superficial flanges finish:

-) 250 – 500 AARH

Gasket factor (ASTM):

-) m factor 2.5

-) y factor: 2500 psi (17.24 Mpa)

Dimensions of standard sheets:

-) Sheets size: 1000x1500mm, 1500x1500mm

-) Thickness: 0.5mm, 0.8mm, 1.0mm, 1.5mm, 2.0mm, 3.0mm (other thickness on request)

-) Tolerances thickness: < 1.0mm ±0.10mm, ≥ 1.0mm ±10%; Length ± 50mm; Width ±50mm