

Champion Gasket

Style 51 High Pressure

COMPRESSED FIBRE GASKET FOR STEAM APPLICATIONS



Compressed fibre jointing sheet with fillers and binders

Champion Style 51 High Pressure Gasket is manufactured from premium grade fibre and compounded with specialized elastomers under special curing process to withstand the most exacting demands of high pressure gases and steam related applications.

Champion Style 51 High Pressure Gasket are developed for severely critical applications and this quality is applicable to a wide range of duties with severe working conditions of temperature and pressure.

Applications: Champion Style 51 High Pressure Gasket can be used as medium-performance jointing sheet for high temperature and pressure applications related to petrochemicals, distillates, refineries and process industry.

Service Media: Recommended for steam, neutral non-flammable gases, dyes alkalies, fats, oils, alcohols, motor fuels and other such engineering service conditions which do not warrant the use of a high grade material such as **Champion Style 54 Super**.

How Supplied:

Sheets, pre-cut gaskets, special density, thickness, shape or grade available on request.

Sheet ordering information	
Available Sheet Sizes in mm (+/- 5%)	1600 mm x 4000 mm
	1500 mm x 2000 mm
	1600 mm x 2000 mm
	2000 mm X 6000 mm
Thickness (mm)	0.5 mm; 0.75 mm; 1.0 mm; 1.5 mm; 2.0 mm; 3.0 mm; 4.0 mm**; 5.0 mm**

Typical Physical Properties:

Description	Standard Specs	Typical Values
Density	DIN 28090-2	1.9-2.2 g/cm ²
Tensile Strength	IS 2712:1998	≥15 MPa /150 Bar (2175 psi)
Compressibility	ASTM F 36	7% to 12%
Stress Relaxation	@40 MPa/16 hr/300°C-IS 6210	≥23 MPa /230 Bar (3335 psi)
Gas Permeability	BS 7531	<0.5 cc/min
Recovery	ASTM F 36	≥45%
Ignition Loss	DIN 52911	≤22%



TEMPERATURE

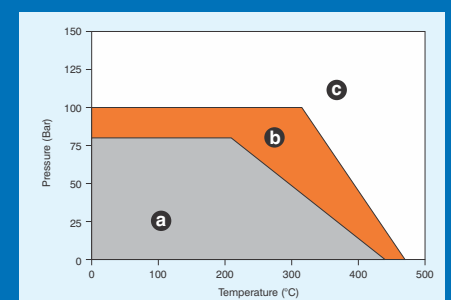
Maximum Continuous Service Temperature:
440°C / 824°F - Non Metallic
480°C / 896°F - Metallic



PRESSURE

Maximum Pressure:
8 MPa / 80 Bar (1160 psi)
- Non Metallic
10 MPa / 100 Bar (1450 psi)
- Metallic

CHAMPION STYLE 51 HIGH PRESSURE GENERAL PURPOSE PRESSURE / TEMPERATURE LIMITS



Guidelines for application:

- Suitable subject to chemical compatibility.
- Suitable for short term temperature fluctuation or non critical application.
- For extreme service conditions, kindly consult Champion Technical Support.

APPROVALS / COMPLIANCE

Compliance with
IS 2712 - 1998 Grade W/2
IS 2712 - 1971 Grade B/S

*Kindly consult Champion Technical Support for all critical applications.

**Available only in 1600 X 4000 / 1600 X 2000 mm



CHAMPION SEALS INDIA PRIVATE LIMITED SEALANT & GASKET INDIA PRIVATE LIMITED

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