

Champion Gasket

Style AF 154 Super

COMPRESSED FIBRE GASKET FOR HIGH PRESSURE APPLICATIONS



Aramid fibre with special functional fillers bonded with elastomers

Champion Jointing Style AF 154 Super is special purpose BS7531 Grade-X asbestos-free (AF) Jointing sheet. It is blend of superior heat resisting compressed aramid fibres bonded with a combination of other functional fibres along with nitrile elastomeric binders.

Champion Jointing Style AF 154 Sheets are available in non-metallic and also in metallic option (with wire re-inforcement and anti-stick properties- which minimizes adhesion of the gasket to flange surfaces even at elevated temperatures, resulting in reduced removal time). This grade is produced in yellow color

Applications: Champion Jointing Style AF 154 Super is very popular as soft cut gasket for extreme industrial applications. Easily meets BS 7531 Grade-X requirements.

Service Media: Suitable for use with solvents, gases, steam, dilute acids and alkalis. (high service conditions).

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 1500 mm
	1500 mm x 2000 mm
	1600 mm x 4500 mm
	2000 mm X 6000 mm
Thickness (mm)	0.4/0.5 mm; 0.75/0.8 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	1.8-2.0 g/cm ³
Tensile Strength	ASTM F 152	≥15 MPa / 150 Bar (2175 psi)
Compressibility	ASTM F 36	8% to 12%
Residual Stress	BS 7531	≥28 MPa /280 Bar (4061 psi)
Gas Permeability	BS 7531	<0.1 cc/min
Recovery	ASTM F 36	≥50%
Water Absorption	BS 7531	≤5%
Ignition Loss	DIN 52911	≤35%

Fluid Resistance:

Weight Increase	ASTM Oil No.3 : 5hr/150°C(300°F)	<10%
	ASTM Fuel B : 5hr/23°C(73.4°F)	<10%
Thickness Increase	ASTM Oil No.3 : 5hr/150°C(300°F)	<10%
	ASTM Fuel B : 5hr/23°C(73.4°F)	<10%



CHAMPION SEALS INDIA PRIVATE LIMITED SEALANT & GASKET INDIA PRIVATE LIMITED

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TEMPERATURE

Maximum Short-Term Service Temperature:
450°C / 810°F

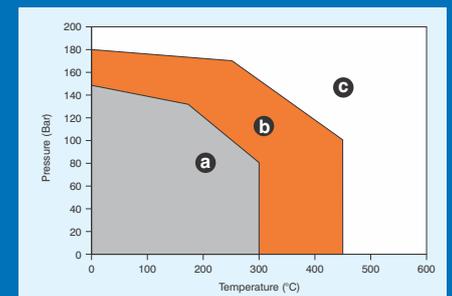
Maximum Continuous Service Temperature:
300°C / 572°F



PRESSURE

Maximum Pressure:
15 MPa / 150 Bar (2175 psi)

CHAMPION AF 154 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
BS 7531:2006 Grade-X
IS 17796:2022 Grade-X

*Kindly consult Champion Technical Support for all critical applications.