

# Champion Gasket

## Style AF 110

COMPRESSED FIBRE GASKET FOR LOW SERVICE APPLICATIONS

Organic cellulose fibres bonded with elastomeric binders



**Champion Style AF 110** is a high quality and reliable, yet, cost-effective product manufactured from eco-friendly natural cellulosic fibers bonded with suitable mix of elastomers.

Champion AF-110 Sheets are available in non-metallic and also in metallic option (with wire reinforcement). This grade is produced in brown color.

**Applications: Champion Jointing AF 110** jointing for general purpose, medium performance duties.

Preferred as gasket for liquid and gases in low internal pressure and temperature. Suitable for flanges with low bolt loading conditions.

### Typical Physical Properties:

Description	Standard Specs	Typical Values
Density	DIN 28090-2	1.75 g/cm <sup>3</sup> - 1.9 g/cm <sup>3</sup>
Tensile Strength	ASTM F 152	≥7 MPa / 70 Bar (1015 psi)
Compressibility	ASTM F 36	8% - 13%
Residual Stress	BS 7531	≥22 MPa / 220 Bar (3190 psi)
Gas Permeability	BS 7531	<0.5 cc/min
Recovery	ASTM F 36	≥45%
Water Absorption	BS 7531	≤5%
Ignition Loss	DIN 52911	≤40%

### 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%

**Service Media:** Corrosive / non-corrosive gases, steam, condensate, water, air, oils, solvents and a wide range of other media (low 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



### TEMPERATURE

**Maximum Short-Term Service Temperature:**

300°C / 540°F

**Maximum Continuous Service Temperature:**

250°C / 450°F

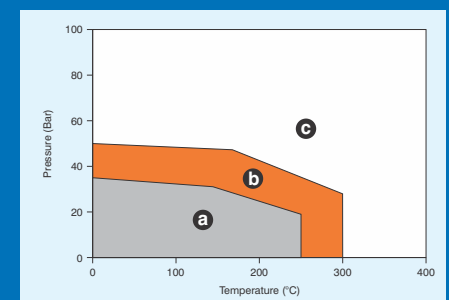


### PRESSURE

**Maximum Pressure:**

3.5 MPa / 35 Bar (507 psi)

### CHAMPION AF 110 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-Y  
IS 17796:2022 Grade-Y

\*Kindly consult Champion Technical Support for all critical applications.



## CHAMPION SEALS INDIA PRIVATE LIMITED SEALANT & GASKET INDIA PRIVATE LIMITED

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