

Champion Gasket

Style AF 120

GENERAL PURPOSE COMPRESSED FIBRE GASKET



Aramid fibre bonded with elastomers

Champion Style AF 120 Gasket is a general purpose, BS-7531 Grade-Y Asbestos-Free (AF) Jointing sheet. It is comprised of compressed aramid fibres and bonded with a combination of other functional fibres with a nitrile rubber binder to create a matrix of stability.

Champion Style AF 120 Gasket are available in Non-Metallic and metallic option (with wire re-reinforcement & anti-stick properties). This gasket is manufactured in green color.

Applications: Champion Style AF 120 Gasket is a popular flexible cut gasket for various general industrial applications, as a viable "value for money" gasket sealing option.

Service Media: Water, gases, medium pressure steam, dilute acids, alkalis, solvents, refrigerants suitable for various medium 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	≥9 MPa /90 Bar (1300 psi)
Compressibility	ASTM F 36	8% to 10%
Residual Stress	BS 7531	≥22 MPa /220 Bar (3191 psi)
Gas Permeability	BS 7531	<0.5 cc/min
Recovery	ASTM F 36	≥45%
Water Absorption	BS 7531	≤5%
Ignition Loss	DIN 52911	≤30%

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:
400°C / 752°F

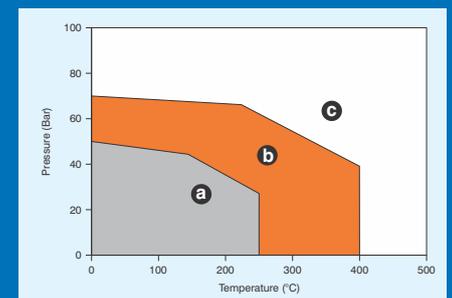
Maximum Continuous Service Temperature:
250°C / 482°F



PRESSURE

Maximum Pressure:
5 MPa / 50 Bar (725 psi)

CHAMPION AF 120 NON METALLIC GASKET 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.