

Champion Gasket

Style AF 160

COMPRESSED FIBRE GASKET FOR CHEMICAL APPLICATIONS



Compressed fibre jointing sheet with chemical resistant binder

Champion Style AF 160 Acid is special purpose BS7531 Grade-X Asbestos-Free (AF) Jointing sheet. This chemical resisting compressed fibre jointing sheet contains aramid fibres bonded with a special combination of binders consisting of synthetic elastomer (NBR) and additives.

Champion Style AF 160 Acid gaskets are manufactured in non-metallic version (that is, without wiremesh reinforcement). This gasket is manufactured in off-white (cream) color.

Applications: Champion Style AF 160 Acid Gasket is commonly used for all acid and chemical resistant applications.

Service Media: Suitable for use in organic, concentrated acids, alkali, chemicals to withstand corrosive media applications.

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	≥25 MPa /250 Bar (3625 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

Champion House, 15 Parsi Panchayat Road, Andheri (East), Mumbai – 400069. India
Product Inquiry : info@championseals.in
Customer Care Number: +91 98201 71162
Website : www.championseals.in



TEMPERATURE

Maximum Short-Term Service Temperature:

300°C / 572°F

Maximum Continuous Service Temperature:

250°C / 482°F

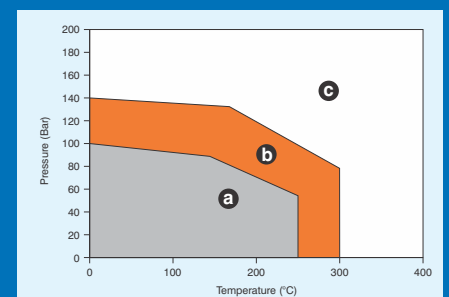


PRESSURE

Maximum Pressure:

10 MPa / 100 Bar (1450 psi)

CHAMPION AF 160 ACID GRADE 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.