

# Champion Gasket

## Style 39 Oil

COMPRESSED FIBRE GASKET FOR STEAM AND OIL APPLICATIONS



Compressed fibre jointing sheet with special fillers and binders

**Champion Style 39 Oil** is manufactured from premium grade fibre and compounded with specialized elastomers under special curing process to withstand the most exacting demands of oil and steel applications.

**Champion Style 39 Oil** Jointing Sheets 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 39 Oil** can be used as medium-performance jointing sheet for high temperature and pressure applications related to petrochemicals, distillates, refineries and process industry.

**Service Media:** Suitable for applications against dry, wet steam / water, gases, alkalis, oil at non critical temperature, non corrosive chemicals, fuels and general engineering.

#### How Supplied:

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

#### Sheet ordering information

| 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 <sup>2</sup>     |
| Tensile Strength  | IS 2712:1998                | ≥ 18 MPa / 180 Bar (2610 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%                         |



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

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#### TEMPERATURE

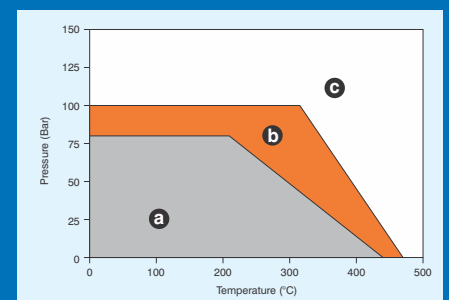
**Maximum Continuous Service Temperature:**  
440°C / 824°F - Non Metallic  
480°C / 896°F - Metallic



#### PRESSURE

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

#### CHAMPION STYLE 39 OIL 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 O/2 & 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