

## TECHNICAL DATA SHEET

### JAYEM JNA - 49 METALLIC (NON ASBESTOS GASKET MATERIAL)

**Material Profile**

The main components are Organic Fibres, Mineral Fibres, Synthetic elastomer (NBR) and Inorganic Fillers with wire reinforced.

**Application**

Suitable for Water / Oil Resistance gasket material for light loading . Suitable for low operating pressure , e.g. transformers, compressors and oil pans in internal combustion engines.

**Dimensions of the standard sheets : ± 5%**

1500 x 1500 mm, 1500 x 2250 mm  
1500 x 4500 mm

**Standard Thickness :**

0.80 mm to 5.00 mm

**Thickness Tolerance :**

≤ 1.00 mm ± 0.10 mm , > 1.00 mm ± 10 % mm .

**Surface Finish :** Grey/Graphite (Other colour upon request.)

**Specification Compliance :**

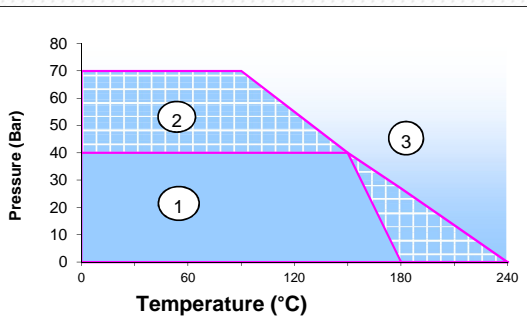
No standard exist for wire reinforced sheets.

**Max. Peak Temperature :** 240°C.

**Max. Peak Pressure :** 70 Bar

**Max. Continuous Temperature :** 180°C

**Max. Continuous Temp. with steam :** 120 °C



**Areas of application**

- ① Suitable for the application, Best suited in case adhered to JAYEM assembly guideline.
- ② Only for short term temp. excursions.
- ③ This area implies , Not recommended unless evaluated.

**Physical Properties (Properties applicable for 2.0 mm thickness)**

Properties	TEST METHOD	Unit	Specified Value
1. Density	ASTM F 1315	g/cm <sup>3</sup>	1.60 - 2.00
2. Compressibility	ASTM F 36 J	%	7 - 17
3. Recovery	ASTM F 36J	%	≥ 40.0
4. Tensile Strength (Across The grain)	ASTM F 152	N/mm <sup>2</sup>	≥ 7.0
5. Ignition Loss	ASTM F 495	%	≤ 40.0
6. Creep Relaxation	ASTM F 38B	%	≤ 40.0
7. Fluid Resistance	ASTM F 146		
A. ASTM OIL No.-3 (IRM 903)	5 h/149°C		
a. Thickness Increase		%	≤ 15.0
b. Weight Increase		%	≤ 20.0
8. Fuel B	5 h/25± 4°C	%	
a. Thickness Increase		%	≤ 15.0
b. Weight Increase		%	≤ 20.0
9. Water	22 h/25± 4°C		
a. Thickness Increase		%	≤ 10.0
b. Weight Increase		%	≤ 15.0

**Note :** The technical data stated has been determined with standard material under laboratory conditions. With the variety of installation and operating conditions no guarantee claim can be inferred regarding the behavior in a specific application. Specification are subject to revision as a result of up gradation activities under taken from time to time .