JAYEM AUTO INDUSTRIES PVT. LTD.

TECHNICAL DATA SHEET

JAYEM JNA - 30 METALLIC (NON ASBESTOS GASKET MATERIAL)

Material Profile

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

Application

Suitable for oil resistance gasket material for medium to higher loading to water and gases , oils, & fuels. A standard sealing material used in compressors, pipe lines . apparatus, transmission, gas meters and 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 4.00 mm

Thickness Tolerance :

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

Surface Finish : Grey/Graphite

Specification Compliance : ,

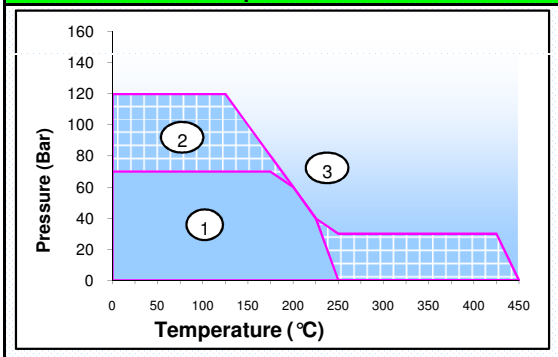
No standard exit for wire reinforced sheets.

Max. Peak Temperature : 450℃.

Max. Peak Pressure : 120 BAR

Max. Continuous Temperature : 250℃

Max. Continuous Temp. with steam : 220 ℃



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/cm³	1.70 - 2.10
2. Compressibility	ASTM F 36 A	%	7 - 17
3. Recovery	ASTM F 36A	%	≥ 50.0
4. Tensile Strength (Across The grain)	ASTM F 152	N/mm²	≥ 10.5
Tensile Strength (Across The grain)	DIN 52910	N/mm²	≥ 7.0
5. Ignition Loss	DIN 52911	%	≤ 30.0
6. Stress Relaxation (300°C)	DIN 52913 / BS 7531	N/mm²	≥ 23.0
7. Stress Relaxation(175°C)	DIN 52913 / BS 7531	N/mm²	≥ 30.0
8. Fluid Resistance	ASTM F 146		
A. ASTM OIL No.-3 (IRM 903)	5 h/149°C		
a. Thickness Increase		%	≤ 10.0
b. Weight Increase		%	≤ 10.0
B. Fuel B	5 h/25± 4°C	%	
a. Thickness Increase		%	≤ 10.0
b. Weight Increase		%	≤ 10.0
C. Water	22 h/25± 4°C		
a. Thickness Increase		%	≤ 7.0
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 .