

## Technical Datasheet AF-OIL-WR (Metallic)

### Compressed Non-Asbestos Fibre (CNAF) Gasket Sheet



#### Material Composition

Aramid Fibres, Mineral Fibres with wire reinforced.  
(Binders: NBR)

#### Application

Offers superior compatibility with oils, fuels, steam, and chemical media, maintaining sealing integrity in medium to high stress industrial operations.

#### Color

Grey/Graphite

#### Standard Dimensions of Sheets

1000 X 1000 mm, 1000 X 1500 mm, 1500 X 1500 mm,  
1500 X 2000 mm, 1500 X 2250 mm, 1500 X 3000 mm,  
1500 X 4500 mm, 2000 X 2000 mm, 2000 X 3000 mm

#### Available Thickness

0.80mm to 6.00mm

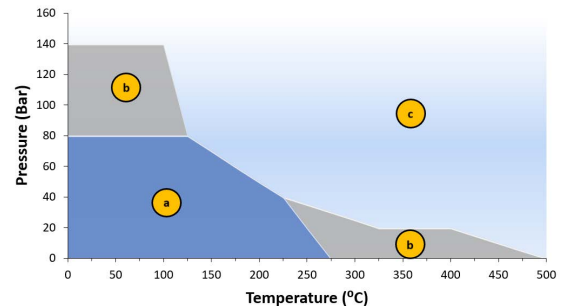
#### Operating Condition

Max. Peak Temperature : 500 °C  
Max. Operating Temperature : 275 °C  
Max. Peak Pressure : 140 bar  
Max. Continuous Temp. with steam : 220 °C

#### Typical Physical Properties Applicable for Thickness 1.50mm

Typical Properties	Test Method	Typical Value	Unit
Density	ASTM F 1315	1.70 – 2.10	g/cm <sup>3</sup>
Tensile Strength	ASTM F 152	10.5 (Min.)	N/mm <sup>2</sup>
Compressibility	ASTM F 36J	7 – 17	%
Recovery	ASTM F 36J	50 (Min.)	%
Stress Relaxation (175 °C)	BS 7531	28 (Min.)	N/mm <sup>2</sup>
Gas Permeability	BS 7531	≤ 1.0	ml/min
Ignition Loss	ASTM F 495	≤ 32.0	%
ASTM Oil No. 3/IRM 903 (5h, 150 °C)			
Thickness Increase	ASTM F 146	≤ 10.0	%
Weight Increase	ASTM F 146	≤ 10.0	%
ASTM Fuel B (5h, 23 °C)			
Thickness Increase	ASTM F 146	≤ 10.0	%
Weight Increase	ASTM F 146	≤ 10.0	%
Water (5h, 100 °C)			
Thickness Increase	ASTM F 146	≤ 7.0	%
Weight Increase	ASTM F 146	≤ 15.0	%

#### Operating Parameters



#### Guidelines for application

**Area a:** General suitability - Under common installation practices and chemical compatibility.

**Area b:** Conditional suitability - Technical consultation is recommended.

**Area c:** Limited suitability - Technical consultation is mandatory

\*Size Tolerance: ± 10% | Thickness Tolerance: 0.10mm for <1.00mm & 10% for >1.00mm

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