DURASILE®

Technical Datasheet

AF-GEN-WR (Metallic)

Compressed Non-Asbestos Fibre (CNAF) Gasket Sheet

Material Composition
Organic Fibres, Mineral Fibres, Cellulose Fibres with wire reinforced. (Binders: NBR)

Application
Suitable for low pressure steam, water, oils, fuels and inert gases for low stress conditions.

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

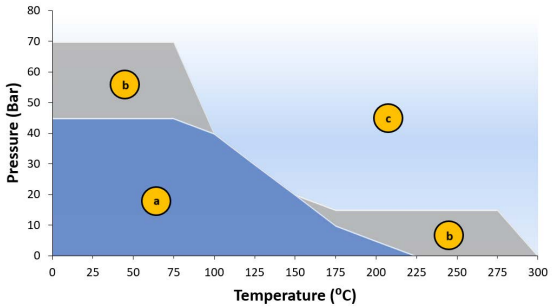
Operating Condition

Max. Peak Temperature	: **300 °C**
Max. Operating Temperature	: **225 °C**
Max. Peak Pressure	: **70 bar**
Max. Continuous Temp. with steam	: **120 °C**

Typical Physical Properties Applicable for Thickness 1.50mm

Typical Properties	Test Method	Typical Value	Unit
Density	ASTM F 1315	1.60 – 2.00	g/cm³
Tensile Strength	ASTM F 152	7.0 (Min.)	N/mm²
Compressibility	ASTM F 36J	7 – 17	%
Recovery	ASTM F 36J	40 (Min.)	%
Gas Permeability	BS 7531	≤ 1.0	ml/min
Ignition Loss	ASTM F 495	≤ 40.0	%
ASTM Oil No. 3/IRM 903 (5h, 150 °C)			
Thickness Increase	ASTM F 146	≤ 10.0	%
Weight Increase	ASTM F 146	≤ 15.0	%
ASTM Fuel B (5h, 23 °C)			
Thickness Increase	ASTM F 146	≤ 10.0	%
Weight Increase	ASTM F 146	≤ 15.0	%
Water (5h, 100 °C)			
Thickness Increase	ASTM F 146	≤ 10.0	%
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**