DURASILE®

Technical Datasheet

AF-HT (Non-Metallic)

Compressed Non-Asbestos Fibre (CNAF) Gasket Sheet

Material Composition
Aramid Fibres, Mineral Fibres. (Binders: NBR)

Application
High-performance oil-resistant gasket material with excellent thermal and chemical stability. Ideal for compressors, engines, pipelines, and pumps.

Color
Dark Green (other color upon request)

Compliance
BS7531 Grade X
ASTM F 104 Line call out: F 712911 E12 A9 B5 M5

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
0.25mm to 6.00mm

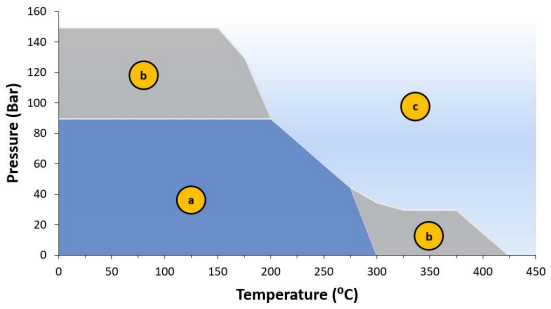
Operating Condition

Max. Peak Temperature	: **425 °C**
Max. Operating Temperature	: **300 °C**
Max. Peak Pressure	: **150 bar**
Max. Continuous Temp. with steam	: **250 °C**

Typical Physical Properties Applicable for Thickness 1.50mm

Typical Properties	Test Method	Typical Value	Unit
Density	ASTM F 1315	1.70 – 2.00	g/cm^3
Tensile Strength	ASTM F 152	14.0 (Min.)	N/mm^2
Compressibility	ASTM F 36J	6 – 12	%
Recovery	ASTM F 36J	50 (Min.)	%
Stress Relaxation (175 °C)	BS 7531	22 (Min.)	N/mm^2
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	≤ 8.0	%
Weight Increase	ASTM F 146	≤ 10.0	%
ASTM Fuel B (5h, 23 °C)			
Thickness Increase	ASTM F 146	≤ 7.0	%
Weight Increase	ASTM F 146	≤ 10.0	%
Water (5h, 100 °C)			
Thickness Increase	ASTM F 146	≤ 7.0	%
Weight Increase	ASTM F 146	≤ 10.0	%

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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