

# Technical Data Sheet



## FEROLITE NAM 45CF NON ASBESTOS GASKET JOINTING SHEET



**Applications:**

It has excellent resistance to steam and strong alkaline media. It is widely used in the chemical and petrochemical industries. CF exhibits good sealing and torque retention properties. It is specifically designed to satisfy the growing demand for numerous aggressive chemicals used by industry today. CF can also be used for sealing oils, fuels, gases, freons, and general application in paper & pulp industry for application in pipelines, radiators, boilers and many other instances of flanged joints.

**Approvals :**

Liyod's Register approval for marine application

**General data:**

**Material Composition (Type of fibres)**

Aramid Fibre, Carbon Fibre

**Binders**

NBR

**OPERATING CONDITION**

**Max. Peak Temp**

400°C

**Max. Continuous Temp**

300°C

**Max. Continuous Temp. with steam**

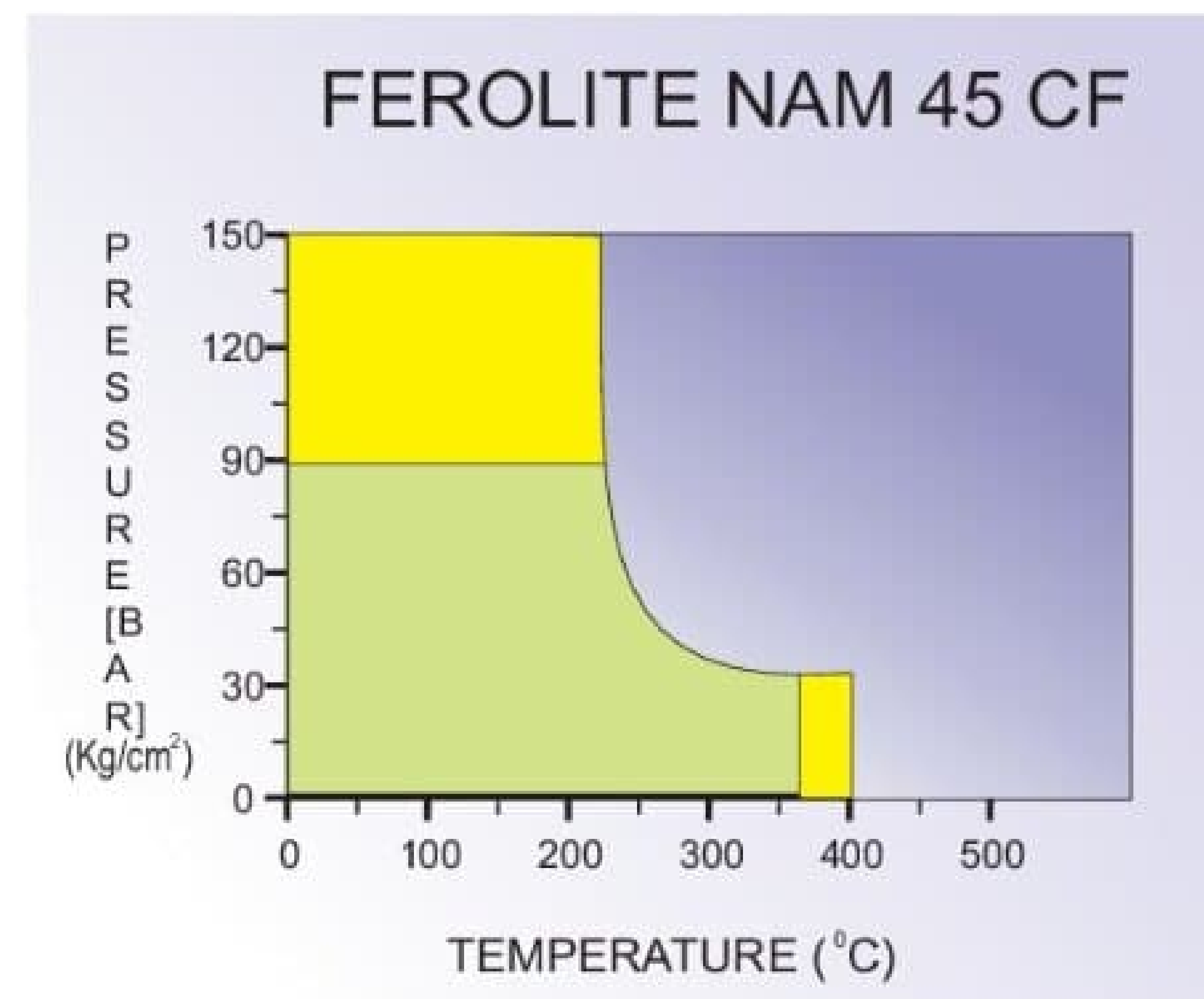
280°C

**Max. Operating Pressure**

150 Kg/cm<sup>2</sup>

**Physical Properties:**

The following Information applies to material thickness 2.0 mm.



S.NO.	PROERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1.	DENSITY		gm/cm <sup>3</sup>	1.70 - 2.00
2.	TENSILE STRENGTH			
	(a) ACC to ASTM F152(ACROSS GRAIN)		N/mm <sup>2</sup>	> 8
	(b) ACC to DIN52910 (ACROSS GRAIN)		N/mm <sup>2</sup>	-
3.	COMPRESSIBILITY	ASTM F36A	%	5 – 15
4.	RECOVERY	ASTM F36A	%	> 50
5.	FLUID ABSORPTION	ASTM F 146		
	(a) IN ASTM OIL NO. 3			
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 8
	(b) IN FUEL B	ASTM F 146		
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 7
	(c) IN WATER/ANTIFREEZE	ASTM F 146		
	INCREASE IN MASS		%	< 10
	INCREASE IN THICKNESS		%	< 7
6.	IGNITION LOSS	DIN 52911	%	< 30
7.	SEALABILITY AGAINST Nitrogen	DIN 3535	cm <sup>3</sup> /min.	< 0.5
8.	STRESS RESISTANCE			
	16h 300°C	DIN 52913	N/mm <sup>2</sup>	~ 20
	16h 175°C	DIN 52913	N/mm <sup>2</sup>	~ 30