Technical Data Sheet

Ferolite®

FEROLITE NAM 32CR GASKET JOINTING SHEET

Applications:

Gasket material for various highly different aggressive media and very good chemical resistance to acid & alkaline media.

General data:

Material Composition (Type of fibres)	Aramid Fibre
Binders	CSM Elastomer

OPERATING CONDITION

Max.Peak Temp	400°C
Max. Continuous Temp	270°C
Max.Continuous Temp.with steam	240°C
Max. Operating Pressure	150 Kg/cm^2

Physical Properties:

The following Information applies to material thickness 2.0 mm.

S.NO.	PROERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1.	DENSITY		gm/cm^3	1.70 - 2.00
2.	TENSILE STRENGTH			
	(a) ACC to ASTM F152(ACROSS GRAIN)		N/mm^2	> 15
	(b) ACC to DIN52910 (ACROSS GRAIN)		N/mm^2	> 10
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		%	
	INCREASE IN THICKNESS		%	
	(b) IN FUEL B	ASTM F 146		
	INCREASE IN MASS		%	
	INCREASE IN THICKNESS		%	
	(c) IN WATER/ANTIFREEZE	ASTM F 146		
	96% H_2SO_4 Acid (48 hrs. at 23 degree C)		%	< 12
	95% HNO_3 Acid (48 hrs. at 23 degree C)		%	< 5
6.	IGNITION LOSS	DIN 52911	%	< 28
7.	SEALABILITY AGAINST Nitrogen	DIN 3535	cm^3/min.	
8.	STRESS RESISTANCE			
	16h 300°C	DIN 52913	N/mm^2	
	16h 175°C	DIN 52913	N/mm^2	

FEROLITE NAM 32CR