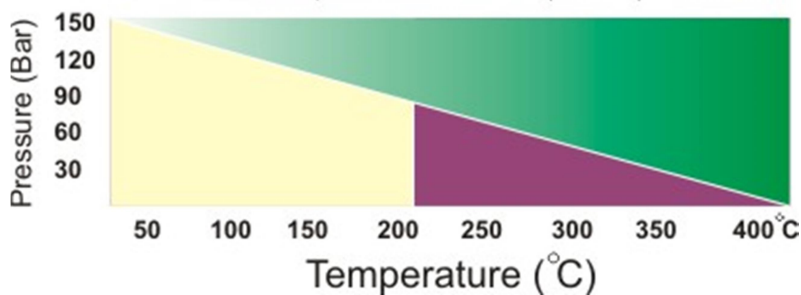


HYPERSIL HNA 500 (FOOD GRADE)

Non Asbestos Gasket Jointing Sheets

Pres. Max. = 150 BAR
Temp. Max. = 400°C (PEAK)



	Suitable Area
	Suitable but Technical area for steam is required
	Technical advice is required

Material Composition:

Made from Aramid fibre, Mineral fibre & Inorganic bounded with NBR Elastomers

Applications:

This material Contains high amount of mineral fibre which is bi-soluble and thus does not pose any health hazard. It does not contain any material which might contribute to bacterial or fungal growth. It is used in food grade/ drug applications.

THICKNESS	:	0.25 mm to 6.00 mm. (OTHER THICKNESS ON REQUEST)		
COLORS	:	GREEN		
DIMENSION OF SHEETS	:	1500MM X 1500MM, 1500MM X 3100MM, 1500MM X 1000MM, 1500MM X 2000MM, 1270MM X 1270MM, 1270MM X 3810MM, 3000MM X 3000MM		
OPERATING CONDITION	:	Maximum Maximum Maximum Temperature : 100°C	Peak pressure : Temp. : 150	400°C BAR

The following Information Applies to material Thickness 1.5MM

S.NO.	Typical Properties	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	7 Min.
	b) ACC to DIN52910	(ACROSS GRAIN)	N/MM ²	5 Min.
3	COMPRESSIBILITY	ASTM F36A	%	7 – 15
4	RECOVERY	ASTM F36A	%	3 50
5	FLUID ABSORPTION			
	(a) IN ASTM OIL NO. 3	ASTM F 146		
	INCREASE IN MASS		%	15
	INCREASE IN THICKNESS		%	10
	(b) IN FUEL B	ASTM F 146		
	INCREASE IN MASS		%	10
	INCREASE IN THICKNESS		%	10
	(c) IN WATER/ANTIFREEZE	ASTM F 146		
	INCREASE IN MASS		%	15

	INCREASE IN THICKNESS		%	5
6.	IGNITION LOSS	DIN 5291	%	≤28
7.	SEALABILITY AGAINST NITROGEN	DIN 3535	Cm3/min.	≤1.00
8.	STRESS RESISTANCE			
	16h 300C	DIN 52913	N/mm2	~20
	16h 175C	DIN 52913	N/mm2	~28

NOTE

All information and recommendations given in this brochure are correct to the best of our knowledge. However, in view of the wide variety of possible installation and operating conditions one cannot draw the final conclusion in all application cases regarding the behaviour in a gasket joint. Therefore, information can only serve as a guideline.