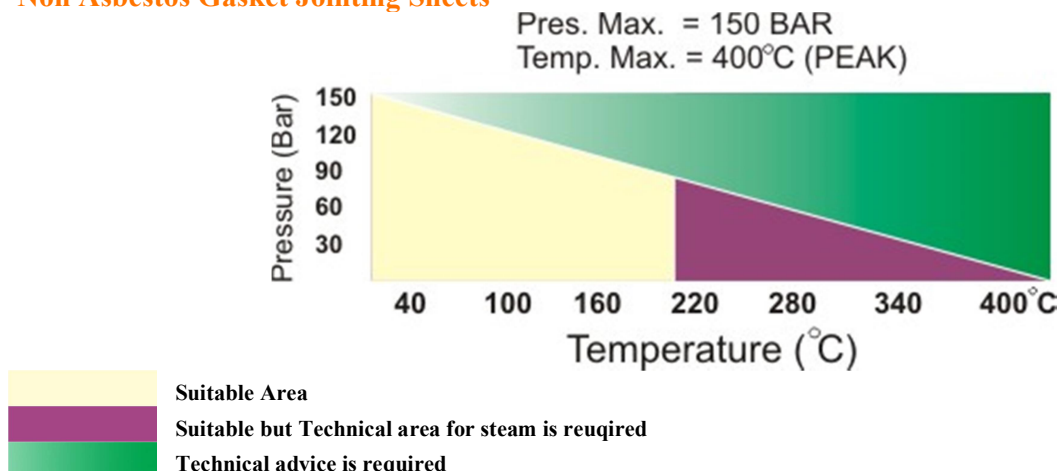


## HYPERSIL HNA-400

### Non Asbestos Gasket Jointing Sheets



### Material Composition:

Made from Aramid fibre, Mineral fibre & Inorganic bounded with SBR Elastomers.

### Applications:

Gasket material with controlled swell properties in oil, wide range of application in automotive and chemical industry. Suitable to seal off hydraulic, engine, transmission and refrigerating oils as well as other hydrocarbons. Also applicable for joints with low sealing pressure like housing, valve covers, oil pans etc.

<b>THICKNESS</b>	:	0.25 mm to 6.00 mm. (OTHER THICKNESS ON REQUEST)		
<b>COLORS</b>	:	GREEN (OTHER COLOR ON REQUEST)		
<b>DIMENSION OF SHEETS</b>	:	1500MM X 1500MM, 1500MM X 3100MM, 1500MM X 1000MM, 1500MM X 2000MM, 1270MM X 1270MM, 1270MM X 3810MM, 3000MM X 3000MM		
<b>OPERATING CONDITION</b>	:	Maximum	Peak	Temp. : 400°C
		Maximum	pressure :	150 BAR
		Maximum Temperature : 250°C		

The following Information Applies to material Thickness 1.5MM

S.NO.	Typical Properties	Test Method	Unit	Specified Value
1	DENSITY	-----	Gm / cm <sup>3</sup>	1.70 - 2.00
2	TENSILE STRENGTH			
	<b>a) ACC to ASTM F152</b>	(ACROSS GRAIN)	N/MM <sup>2</sup>	14 Min.
	<b>b) ACC to DIN52910</b>	(ACROSS GRAIN)	N/MM <sup>2</sup>	11 Min.
3	COMPRESSIBILITY	ASTM F36A	%	6– 12
4	RECOVERY	ASTM F36A	%	≥ 50
5	FLUID ABSORPTION			
	<b>(a) IN ASTM OIL NO. 3</b>	ASTM F 146		
	INCREASE IN MASS		%	≤10
	INCREASE IN THICKNESS		%	≤8
	<b>(b) IN FUEL B</b>	ASTM F 146		
	INCREASE IN MASS		%	≤10
	INCREASE IN THICKNESS		%	≤7

	<b>(c) IN WATER/ANTIFREEZE</b>	ASTM F 146		
	INCREASE IN MASS		%	&le;15
	INCREASE IN THICKNESS		%	&le;5
6.	IGNITION LOSS	DIN 52911	%	&le; 30
7.	SEALABILITY AGAINST NITROGEN	DIN 3535	Cm3/min.	&le; 0.5
8.	STRESS RESISTANCE			
	<b>16h 300C</b>	DIN 52913	N/mm2	~25
	<b>16h 175C</b>	DIN 52913	N/mm2	~36

#### 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.