

Standard Roll Lengths For Different Thickness (In Sq. Mtr.)

GRADES

Thickness(mm)	HAF 9010	HAF-9011	HAF 9014(G)	HAF 9015	HAF 9018	HAF 9020	HAF 9035	HAF 9040	HAF 2000	HAF 9000
0.25		180	-		180					
0.30	-	150	-	-	150	-	-	-	-	-
0.40	-	110	110	-	110	-	-	110	-	-
0.50	90	90	90	90	90	90	90	90	90	90
0.60	75	75	75	75	75	75	75	75	75	75
0.70	65	65	65	65	65	65	65	65	65	65
0.75	60	60	60	60	60	60	60	60	60	60
0.8	55	55	55	55	55	55	55	55	55	55
1.00	45	45	45	45	45	45	45	45	45	45
1.20	1x36	1x36	1x36	1x36	1x36	1x36	36	1x1	1x1	1x1
1.50	1x30	1x30	1x30	1x30	1x30	1x30	1x30	1x1	1x1	1x1
	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3	55 ± 3

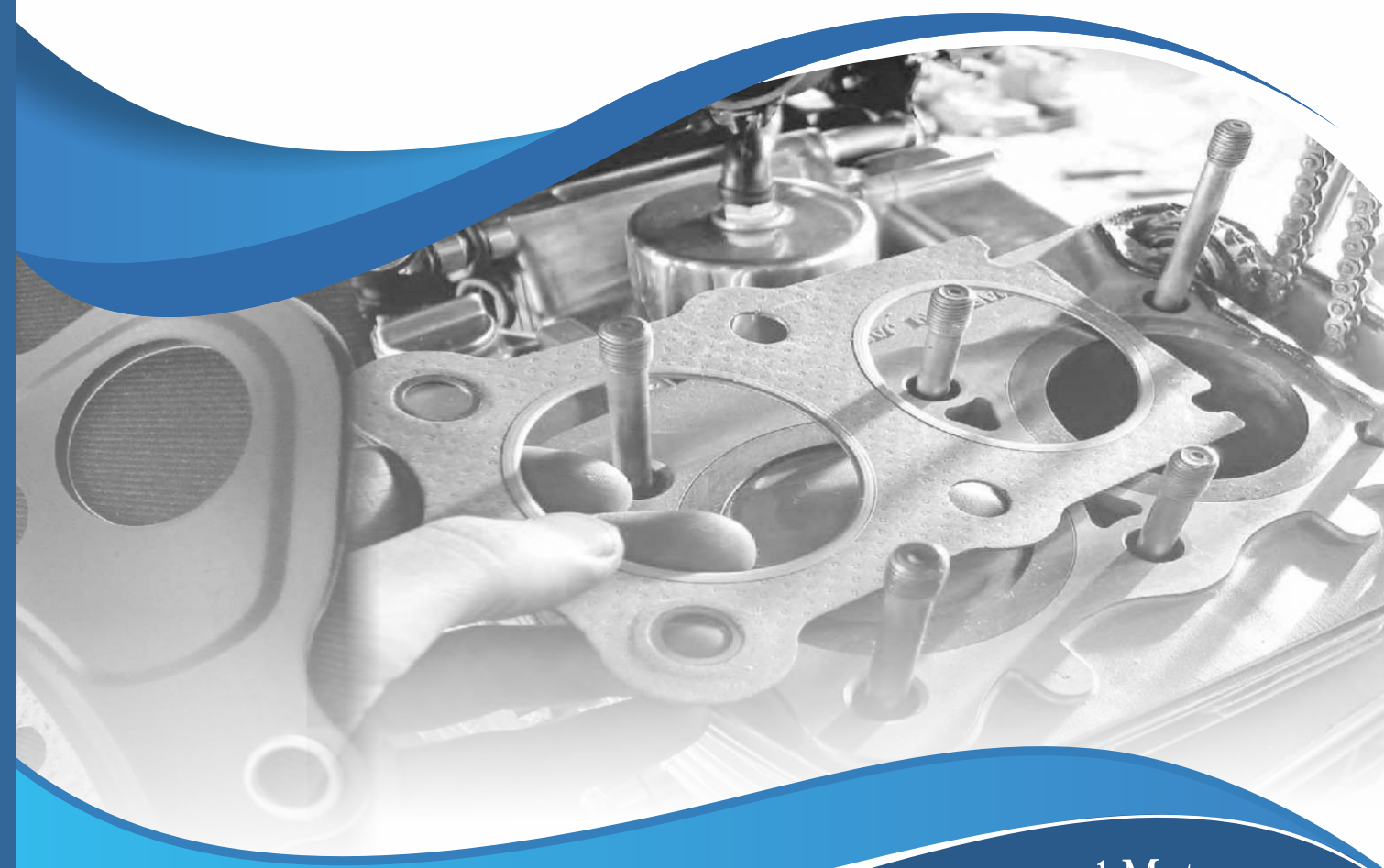
The data given in this brochure has been compiled to the best of our knowledge and is given without any obligation. In view of the multiplicity of operating and installation conditions as well as process and application techniques, the information provided can serve only as a general guideline. The demands made on gasket materials are manifold. In order to be able to make the right choice in terms of material and design. It is essential to be familiar with the mechanical, thermal and chemical conditions to which a particular gasket will be subjected during operation. In particular, the following below mentioned factors influence the result.

- Dimensions and design of the gasket.
- Properties of the gasket materials selected.
- Condition and design of the sealing surface/flange.
- Operating pressure.
- Effective temperature.
- Substance to be sealed-off.

HILITE

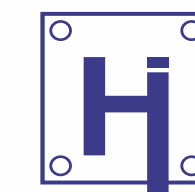
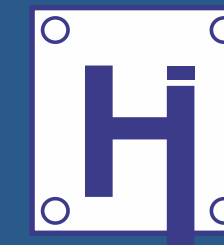
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Non Asbestos Gasket Materials



Asbestos Free Beater Cylinder Head Facing & Mill Board Materials

ISO/ TS-16949:2009



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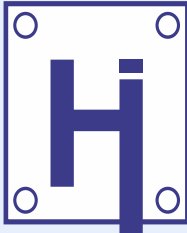
Manufacturers of:
Non Asbestos Beater Addition Jointing material



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HILITE

Non Asbestos Gasket Material



An ISO/TS-16949 : 2009 Registered Company

General Data	
Standard Roll Width	1000 ± 10mm
Slit Roll Width	500 ± 10 mm
Standard Thickness	0.25 to 1.20 mm(In Rolls) 1.00 to 1.50 mm(In Sheets)
Thickness Tolerance	As per ASTM
All information and recommendation given in this brochure are correct to the best of our knowledge. Since conditions of use are beyond our control, the information provided can only serve as a guideline. Users must satisfy themselves that products are suitable for the intended process and uses. We reserve the right to change product design and properties without notice. Should you have any doubts about the choice of gasket material, please refer to us. Our engineering cell will be happy to assist you.	

SPECIFICATION COMPLIANCE		
PHYSICAL PROPERTIES (As Per ASTM)		
DENSITY	F-1315	gm/cm ³
COMPRESSIBILITY	F-36 J	at 350 kg/cm ² % at 70 kg/cm ² %
RECOVERY		%
TENSILE STRENGTH	F-152	kg/cm ²
LOSS OF IGNITION	F-495	at 850°C %
FLUID ABSORPTION	F-146	
WEIGHT INCREASE		
In ASTM Oil No.3		%
In ASTM Fuel B		%
In Water - Distilled		%
THICKNESS INCREASE		
In ASTM Oil No.3		%
In ASTM Fuel B		%
In Water - Distilled		%
OPERATING TEMPERATURE		°C

RECOMMENDED APPLICATIONS

NON ASBESTOS CYLINDER HEAD FACING MATERIAL

HAF 9010	HAF 9011	HAF 9014 (G)	HAF 9015	HAF 9018	HAF 9020	HAF 9035	HAF 9040	HAF 2000	HAF 9000
It is a light grey Aramid fiber based material manufactured with high temperature inorganic fillers and binder. It is a facing material for making a composite gasket meant for Cylinder Head application.	It is a light grey aramid fiber based material manufactured with high temperature inorganic fillers and binder. It is a facing material for making composite gasket meant for cylinder head applications.	Gasket material based on aramid fibers, graphite and fillers bonded with NBR, sulfur - free, in reels. Especially suitable as facing material for cylinder head gaskets in gasoline and engines as well as for intake/exhaust systems, turbo charger and air cooled small motors.	It is a light grey Aramid fiber based material made with a blend of reinforced fibers, Nitrile binders & Inorganic fillers It is so designed to be easily fused on steel core for making Cylinder Head gaskets. It is recommended for OEM & after market applications.	It is a light grey Aramid fiber based material made with a blend of reinforced fibers, Nitrile binders & inorganic fillers It is so designed to be easily fused on steel core for making cylinder head gaskets. It is recommended for OEM & after markets application.	It is a light grey Aramid fiber based material made with a blend of reinforced fibers, Nitrile binders & Inorganic fillers. It is so designed to be easily fused on steel core for making Cylinder Head gaskets. It is recommended for after market applications.	It is a grey colour reinforced fiber based material enriched with high temperature fillers. It is a multi purpose material recommended for use in exhaust & Intake manifold applications.	It is a medium density beater material with high torque resistance. It is a multi purpose material recommended for OEM applications.	It is a non asbestos mill board material sheets to be used as a filler material between metal sheets mainly used for exhaust manifold and heat shield applications.	It is a dark grey colour material with compositions of high temperature minerals like graphite and mica. It is recommended for use as filler material for Spiral Wound gasket.
Max. Operating Temperature 280°C	Max. Operating Temperature 270°C	Max. Operating Temperature 300°C	Max. Operating Temperature 260°C	Max. Operating Temperature 255°C	Max. Operating Temperature 250°C	Max. Operating Temperature 220°C	Max. Operating Temperature 220°C	Max. Operating Temperature 300°C	Max. Operating Temperature 200°C
HAF-9010	HAF 9011	HAF 9014 (G)	HAF-9015	HAF 9018	HAF-9020	HAF-9035	HAF-9040	HAF-2000	HAF-9000
ASTM-104 : F-726959E52M9	ASTM-104 : F-729959E52M9	ASTM-104 : F-729000E00M9	ASTM-104 : F-729950E52M9	ASTM-104 : F-729959E52M3	ASTM-104 : F-726999E52M9	ASTM-104 : F-726990E92M9	ASTM-104 : F-729950E92M9	F-734000E00M9	ASTM-104 : F-724996E92M9
1.20 ± 0.05	1.15 ± 0.05	1.00 – 1.20	1.15 ± 0.05	1.15 ± 0.05	1.20 ± 0.05	1.15 ± 0.05	1.30± 0.05	1.15-1.25	1.15 ± 0.05
25-40	15-35	20-45	15-30	20-35	25-40	25-40	20-35	---	15-25
---	---	---	---	---	---	---	---	15-25	---
20	20	10	20	20	20	20	25	25	20
20	25	30	30	35	40	30	50	25	50
23	24	80	25	27	29	35	35	21	35
40	40	---	40	40	45	50	40		50
35	40	---	40	40	40	45	35		50
45	50	---	75	50	50	---	---		60
10	10	---	10	10	10	10	10		10
10	10	---	10	10	10	10	10		10
15	15	---	20	20	15	---	---		30
280	270	300	260	255	250	220	220	300	200

CYLINDER HEAD GASKETS