

Technical Data Sheet



HILITE

An ISO/TS 16949:2009, ISO 14001 : 2004, OHSAS 18001: 2007 Certified Company

HAF 9018 NON ASBESTOS CYLINDER HEAD FACING MATERIAL

General properties and application :

HAF 9018 : 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. Max Operating temperature 255°C

Technical Data

Specification values determined in accordance with ASTM F-104 Type 7

Physical Properties	Unit	Typical Value
Density	gm/cc	1.15 ± 0.05
Compressibility at 350 kg/cm ²	%	20-35
Recovery (Min)	%	20
Tensile Strength (Min)	kg/cm ²	35
Loss of ignition @ 850°C	%	27

Fluid absorption

Weight Increase

ASTM Oil No. 3	5 Hrs @ 150°C (Max)	%	40
ASTM Fuel B	5 Hrs @ 21 to 30°C (Max)	%	40
Water Distilled	5 Hrs @ 21 to 30°C (Max)	%	50

Thickness Increase

ASTM Oil No. 3	5 Hrs @ 150°C (Max)	%	10
ASTM Fuel B	5 Hrs @ 21 to 30°C (Max)	%	10
Water Distilled	5 Hrs @ 21 to 30°C (Max)	%	20

Availability	Unit	Standard Size
Thickness range	mm	0.40 -1.50 in Rolls
Roll width	mm	1000 ± 20
Roll Weight	Kgs	50

All information data quoted are based on experience in production of sealing elements. However, In view of the wide variety of possible installation and operating conditions one can not draw final conclusions in all application cases regarding the behaviors in a gasket joint.

Whenever there is any doubt, our staff will be pleasure to assist you in finding the optimum sealing solutions.

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