

# Technical Data Sheet



# HILITE

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

## HAF 9011 NON ASBESTOS CYLINDER HEAD FACING MATERIAL

### General properties and application :

**HAF 9011** : 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.. Max Operating temperature 270°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 <sup>2</sup>	%	15-35
Recovery (Min)	%	20
Tensile Strength (Min)	kg/cm <sup>2</sup>	25
Loss of ignition @ 850°C	%	24

### 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)	%	15

Availability	Unit	Standard Size
Thickness range	mm	0.50 -1.00 in Rolls
	mm	above 1.00 -1.50 in sheets
Roll width	mm	1000 ± 20
Roll Weight	Kgs	50
Sheet Size	mm	1000 X 1000

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.

**Hilite Industries Pvt. Ltd.**

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