



[www.accesshoseintl.com](http://www.accesshoseintl.com)

# ACCESS HOSE INTERNATIONAL, INC.

WAREHOUSE ORDERS: 12250 KINDRED LANE, HOUSTON, TEXAS 77049  
 SALES # 281-458-5133 / FAX # 281-458-5372 Email: byron@accesshoseintl.com  
**SERVING YOU IN 2 LOCATIONS: HOUSTON, TX & ATLANTA, GA (new)**

## TECHNICAL DATA SHEET

### MATERIAL

### NON-ASBESTOS CARBON FIBER/ NBR GASKET SHEET NAM45CF

COMPOSITION

Made from Aramid fibers, carbon fibers and bonded with Synthetic NBR Elastomer. Black/Grey Color.

APPLICATIONS

Suitable for steam and strong alkaline and other aggressive chemicals. Exhibits good sealing and torque retention properties. Can also be used for sealing oils, fuels, gases, Freon and general applications in pipelines, radiators, boilers and other flanged joints.

Specification thickness	<b>2.0 MM</b>
Maximum Peak Temperature	<b>932° F</b>
Maximum Continuous Temperature	<b>480° F</b>
Maximum Operating Pressure	<b>1500 PSI</b>
Specification Compliance	ASTM line callout <b>F712111A9B4E12M4</b>

PROPERTIES	TEST METHOD	UNIT	SPECIFIED VALUE
1. <b>DENSITY</b>	-----	Lbs./ft.3	106-125
2. <b>TENSILE STRENGTH</b>		PSI	1160
(a) ACC to ASTM F152 (ACROSS GRAIN)			
(b) ACC to DIN52910 (ACROSS GRAIN)		PSI	
3. <b>COMPRESSIBILITY</b>	ASTM F36A	%	7 - 12
4. <b>RECOVERY</b>	ASTM F36A	%	≥ 50
5. <b>FLUID ABSORPTION</b>			
(a) IN ASTM OIL NO. 3	ASTM F 146		
INCREASE IN MASS		%	≤ 10
INCREASE IN THICKNESS		%	≤ 8
(b) IN FUEL B	ASTM F 146		
INCREASE IN MASS		%	≤ 10
INCREASE IN THICKNESS		%	≤ 7
(c) IN WATER/ANTIFREEZE	ASTM F 146		
INCREASE IN MASS		%	≤ 10
INCREASE IN THICKNESS		%	≤ 7
6. <b>IGNITION LOSS</b>	DIN 52911	%	≤ 30
7. <b>SEALABILITY AGAINST NITROGEN</b>	DIN 3535	lb3/min.	≤ 0.03
8. <b>STRESS RESISTANCE</b>			
16h 300C	DIN 52913		~3000
		PSI	
16h 175C	DIN52913		~4500
		PSI	
9. <b>M FACTOR</b>			2.5
<b>Y FACTOR</b>			22

**NOTE:** All information and recommendations given in this brochure are correct to the best of our knowledge. The information provided above should only be used as a guideline. Users must satisfy themselves that products are suitable for the intended process and uses. Maximum temperature and pressure depends not only on the type of material but on the application conditions such as thickness, service, flange type and surface stress etc. Please contact us if you have questions regarding application.