

Aidmer Fluid Sealing

Gasket · Packing · Seals · High-Temp.



Our Products:

PTFE Semi-Finished Products



Gasket Materials



Stuffing Box Packing-Gland Packing



Flange Seals

Expanded PTFE

Style Aidmer76-012S Expanded PTFE Joint Sealant



Density: 0.70g ~ 1.1g/cm³
Tensile Strength: ≥ 8.0Mpa
Volatile content: ≤ 1.0%
Hardness: 30~50A
Creep Relaxation: ≤ 40%
Working Temperature: -240~280°C
Working Pressure: Gas: 1.6Mpa/Liquid: 6.4Mpa
PH Range: 0~14
Moisture Content: ≤ 0.01 %
Moisture Content: 327°C

100% pure expanded PTFE Sealants with self-adhesive film. It's an idea sealant for most pipe fitting and equipments flanges sealing.

Extremely wide range of uses in:

1. Low stress to seal requirements help protect fragile flange and delicate assemblies.
2. Higher resistant to creep and cold flow when sealing of heat exchanger and no need to retight after installation.
3. No precutting and no wasteful scrap saves time and money when sealing large equipment flanges.
4. Since It's so versatile and inert to most chemicals. It's perfect for the most challenging chemical application.
5. Ideal for large, complex or damages sealing surfaces due to its strong yet conformable nature.

Aidmer76-012S is sealing material for valves; It serves as a flange gasket and box packing.

STOCK DIMENSIONS: (OTHER SIZE AVAILABLE ON REQUEST)

Width	3	5	6	7	9	10	12	14	16	17	20	20	25	25	100	100
Thickness(mm)	2	2	3	2.5	4.5	3	4	5	5	6	4	7	6	8	1	0.5
Length(m)	40	25	20	15	10	10	10	5	5	5	5	5	5	5	30	30
Flanges Size	<100	<400	<500	<600	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000	<1000

All properties, specifications, application and advice given is based on experiences AIDMER has made **15'** years. Failure to select proper sealing products can result in damage and/or personal injury. All data are subject to change without notice. We does not undertake any liability of any kind whatsoever. (www.Aidmer.com)

Flange Seals

PTFE Raise Face Gasket

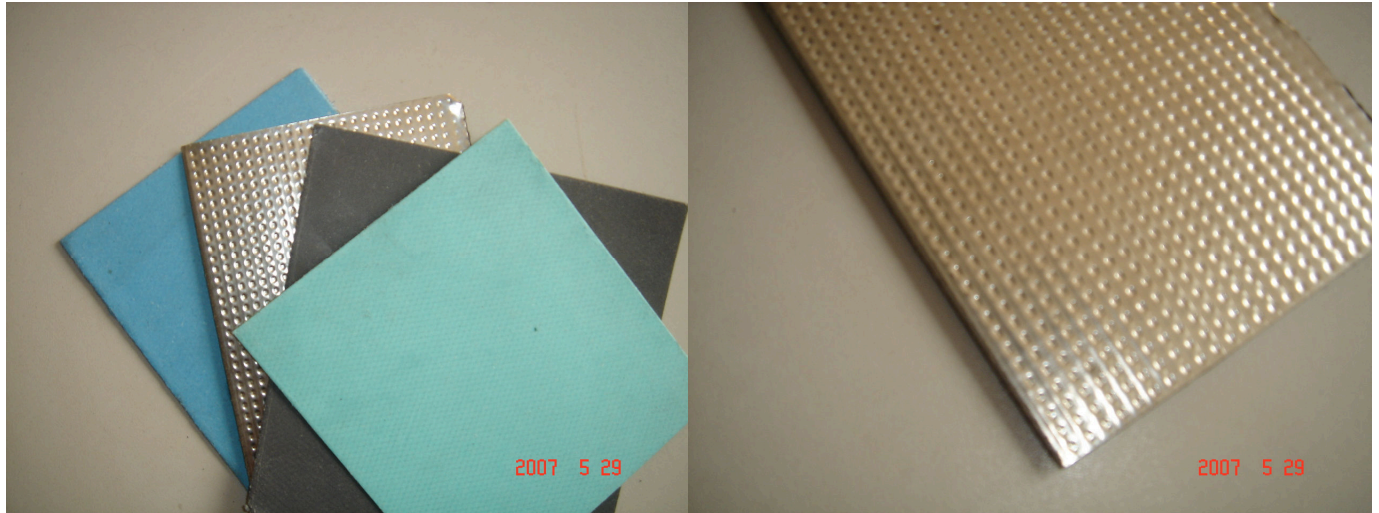
Style Aidmer78-060 PTFE Gasket

ANSI		CEN		JIS	
Specification(mm)		Specification(mm)		Specification(mm)	
DN15	46.5*22*3	DN10	46*18*3	10A	53*18*3
DN20	56*27*3	DN15	51*22*3	15A	58*22*3
DN25	65.5*34*3	DN20	61*27*3	20A	63*28*3
DN32	75*43*3	DN25	71*34*3	25A	74*35*3
DN40	84.5*49*3	DN32	82*43*3	32A	84*43*3
DN50	104.5*61*3	DN40	92*49*3	40A	89*49*3
DN65	123.5*77*3	DN50	107*61*3	50A	104*61*3
DN80	136.5*89*3	DN65	127*77*3	65A	124*77*3
DN100	174.5*115*3	DN80	142*89*3	80A	134*90*3
DN125	196*140*3	DN100	162*115*3	100A	159*115*3
DN150	221.5*169*3	DN125	192*141*3	125A	190*141*3
DN200	278.5*220*3	DN150	218*169*3	150A	220*167*3
DN250	338*273*3	DN200	273*220*3	200A	270*218*3
DN300	408*324*3	DN250	328*273*3	250A	333*270*3
DN350	449*356*3	DN300	378*325*3	300A	378*321*3
DN400	513*407*3	DN350	438*377*3	350A	423*359*3
DN450	548*458*3	DN400	489*426*3	400A	486*410*3
DN500	605*508*3	DN450	539*480*3	450A	541*460*3
DN550	659*559*3	DN500	594*530*3	500A	596*513*3
DN600	716.5*610*3	DN600	695*630*3	600A	700*615*3

Gasket & Material

- Cylinder Head Gasket

Style Aidmer76-011



Aidmer76-011 Reinforced Non Asbestos Sheet(Cylinder head gasket material)

Aidmer76-011B Reinforced with double-side of tanged carbon steel

Aidmer76-011C Reinforced with One side steel sheet, other side non asbestos sheet

Description:

Aidmer76-011 is **Non Asbestos** Sheet Cylinder head gasket is made from Aidmer76-051 and thickness of 0.2-0.25mm perforced Carbon steel insertion.

Aidmer76-011 Gasket material is available in Black, Blue, Green, Red or white. It is an idea material of reinforced graphite gaskets: heat exchanger gaskets, engine heat gaskets etc. It was very popular, Because, Its price is low, and it is without asbestos fibre.

ITEM	UNIT	Aidmer76-011	Aidmer76-007
Thickness Range	mm	1.0-3.0	1.0 – 3.0
Density:	gm/cc	2.2-2.5	2.2-2.5
Loss on Lgnition	%	24-29	24-29
Compressibility	%	25	20
Recovery	%	≥40	≥40
Tensile Strength Crosswise	Bar	≥75	≥65
Thickness Increase	Immersion	3#Oil	%
	Immersion	Oil B	%
		≥30	≥30
		≥25	≥25

Aidmer76-007 Reinforced asbestos sheet (cylinder head gasket sheet)

Aidmer76-007 is made of **Asbestos** sheet paper and with thickness of 0.2-0.25mm perforced carbon steel sheet insertion.

Aidmer76-007B Reinforced with double-side of tanged carbon steel

Aidmer76-007C Reinforced with One side steel sheet, other side non asbestos sheet

Size:

Length: 500mm; 1000mm; 1200mm

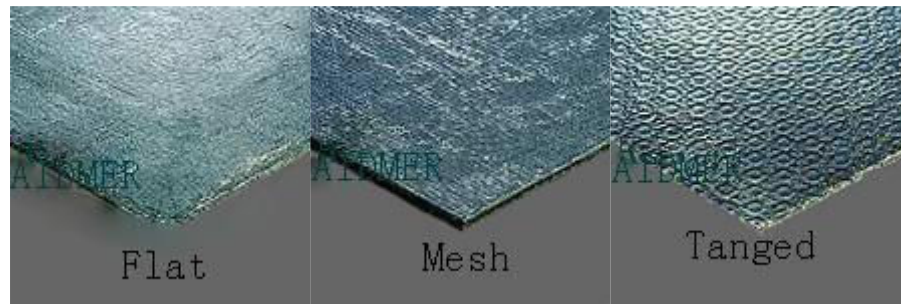
Width: 500mm; 1000mm;

Gasket & Material

- Cylinder Head Gasket

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Style Aidmer76-002 A/B/C/D/E



Aidmer76-002 Reinforced Graphite Sheet (Cylinder Head Gasket Sheet)

Style Aidmer76-002 is the materials for cutting the Auto Gaskets. Aidmer76-002 is made of flexible graphite sheet (above 98.5% of graphite content) and various steel sheets such as tanged, flat or mesh. It has character of thermally stability, high strength and no cold flow etc. It is an ideal material of all kinds of reinforced graphite gaskets, engine heat gaskets etc. It is better materials for producing Cylinder Head Gasket. (Auto Engineers Gasket)

PARAMETER:

Item		Style				
		Aidmer76-002A	Aidmer76-002B	Aidmer76-002C	Aidmer76-002D	Aidmer76-002E
Reinforced Materials	inserted material	Tanged carbon steel	AISI 304, Tanged	AISI 316, Tanged	AISI 304 wire mesh	AISI 316 wire mesh
	Thickness(mm)	0.2- 0.25mm	0.1- 0.127mm	0.1- 0.127mm	--	--
Construction						
Stability under compressive stress (N/mm ²)		≥ 48	≥ 48	≥ 48	≥ 40	≥ 40
Temperature (°C)		-10 to +550 °C	-200 to +600 °C	-200 to +600 °C	-200 to +600 °C	-200 to +600 °C
ASTM F36A-66 Compressibility		≥ 30 - 35	≥ 30 - 40	≥ 35 - 45	≥ 30 - 35	≥ 30 - 35
ASTM F36A-66 Recovery		≤ 15 - 20	≤ 15 - 30	≤ 15 - 30	≤ 15 - 20	≤ 15 - 20
Sealability (1.5mm)ml/hr	N ₂	30	60	60	7000	7000
	Burning oil	< 0.5				
Sulphur content		< 1100 ppm				
Chlorine content		< 45				
Application		Steam, mineral oils, heat transfer oils, hydraulic oil, fuel, water, seawater, freshwater etc.				
Standard Size(mm)		500 x 500; 1000 x 500; 1000 x 1000; 1500 x 500; 1500 x 1000; 1500 x 1500mm				

Gasket & Material

- 100% Free-Asbestos

Style Aidmer-NA200



ITEM	NA200		
Material	Aramid fibre、Synthetic fibre、Filler bounded with NBR		
Application	General sealing material for oil/water for low temperature & low pressure		
Properties	Test Method	Unit	Data range
Density	—	g/cm ³	1.65 ~ 1.75
Max short term temperature		°C	250
Max continuous operating temperature with non aggressive media		°C	180
Max operating pressure		Mpa	6.3
Tensile Strength (across)	ASTM F152	N/mm ²	≥8
Creep Relaxation	ASTM F38 16h @175°C	%	≤40
Compressibility	ASTM F36J	%	12±5
Recovery	ASTM F36J	%	≥45
ASTM3# oil 5h@150°C	Thickness increase	%	≤10
	Weight increase	%	≤10
ASTM Fuel B 5h°C@RT	Thickness increase	%	≤10
	Weight increase	%	≤10
Water/Antifreeze 1:1 5h@100°C	Thickness increase	%	≤5
	Weight increase	%	≤10
Dimension		mm	1500×1500
Thickness		mm	1.0,1.5,2.0,3.0,4.0, 5.0

Gasket & Material

- 100% Free-Asbestos

Style Aidmer-NA250



ITEM	NA-250		
Material	Made from Aramid Fiber, mineral fiber & inorganic fillers bonded with Synthetic NBR.		
Application	Suitable for oil resistant gasket material for lower and medium loading, good resistance to water gases, oils and fuels		
Properties	Test Method	Unit	Data range
Density	—	g/cm ³	1.65 ~ 1.75
Max short term temperature		°C	400
Max continuous operating temperature with non aggressive media		°C	200
Max operating pressure		Mpa	8
Tensile Strength (across)	ASTM F152	N/mm ²	≥10
Creep Relaxation	ASTM F38 16h @175°C	N/mm ²	≤30
Compressibility	ASTM F36J	%	12±5
Recovery	ASTM F36J	%	≥45
ASTM3# oil 150°C / 5h	Thickness increase	%	≤8
	Weight increase	%	≤8
ASTM Fuel B 23°C / 5h	Thickness increase	%	≤8
	Weight increase	%	≤8
Water/Antifreeze 1:1 100°C/5h	Thickness increase	%	≤5
	Weight increase	%	≤8
Dimension		mm	1500×1500
Thickness		mm	0.5、1.0、1.5、2.0、3.0

Gasket & Material

- 100% Free-Asbestos

Style Aidmer-NA350



ITEM	NA-350		
Material	Made from Aramid fiber, mineral fiber & inorganic fillers bonded with Synthetic NBR		
Application	Suitable for oil resistant gasket material for higher loading, good resistance to water gases, oils and fuels.		
Properties	Test Method	Unit	Data range
Density	—	g/cm ³	1.65 ~ 1.90
Max short term temperature		°C	450
Max continuous operating temperature		°C	250
Max operating pressure		Mpa	11
Tensile Strength (across)	ASTM F152	N/mm ²	≥10
Compressibility	ASTM F36J	%	12±5
Recovery	ASTM F36J	%	≥50
Creep Relaxation	ASTM F38 16h @175°C	%	≤35
Ignition loss	DIN 52911	%	≤30
ASTM3# oil 5h@150°C	Thickness increase	%	≤5
	Weight increase	%	≤5
ASTM Fuel B 5h@RT	Thickness increase	%	≤5
	Weight increase	%	≤5
Water / Antifreeze 1:1 5h@100°C	Thickness increase	%	≤5
	Weight increase	%	≤5
Dimension		mm	1500×1500
Thickness		mm	0.5、1.0、1.5、2.0、3.0、4.0、5.0

Gasket & Material

- 100% Free-Asbestos

Style aidmer-NA400



ITEM	NA-400		
Material	Made from Aramid fiber, mineral fiber & inorganic fillers bonded with Neoprene		
Application	Suitable for oil resistant gasket material for medium loading, good resistance to water gases, oils and fuels, especially for the chemical such as Freon and acid.		
Properties	Test Method	Unit	Data range
Density	—	g/cm ³	1.65 ~ 1.90
Max short term temperature		°C	450
Max continuous operating temperature		°C	250
Max operating pressure		Mpa	10
Tensile Strength (across)	ASTM F152	N/mm ²	≥12
Compressibility	ASTM F36J	%	12±5
Recovery	ASTM F36J	%	≥55
Creep Relaxation	ASTM F38 16h @175°C	%	≤30
Ignition loss	DIN 52911	%	≤30
ASTM3# oil 5h@150°C	Thickness increase	%	≤5
	Weight increase	%	≤5
ASTM Fuel B 5h@RT	Thickness increase	%	≤5
	Weight increase	%	≤5
Water/Antifreeze 1:1 5h@100°C	Thickness increase	%	≤5
	Weight increase	%	≤5
Dimension		mm	1500×1500
Thickness		mm	0.5、1.0、1.5、2.0、3.0、5.0

Gasket & Material

- 100% Free-Asbestos

Style Aidmer-NA500



ITEM	NA-500		
Material	Made from Aramid fiber, mineral fiber & inorganic fillers bonded with Synthetic NBR		
Application	Suitable for oil resistant gasket material for higher loading, good resistance to water gases, oils and fuels.		
Properties	Test Method	Unit	Data range
Density	—	g/cm ³	1.65 ~ 1.90
Max short term temperature		°C	450
Max continuous operating temperature		°C	250
Max operating pressure		Mpa	13
Tensile Strength (across)	ASTM F152	N/mm ²	≥15
Compressibility	ASTM F36J	%	12±5
Recovery	ASTM F36J	%	≥55
Creep Relaxation	ASTM F38 16h @175°C	%	≤35
Ignition loss	DIN 52911	%	≤30
ASTM3# oil 5h@150°C	Thickness increase	%	≤5
	Weight increase	%	≤5
ASTM Fuel B 5h@RT	Thickness increase	%	≤5
	Weight increase	%	≤5
Water / Antifreeze 1:1 5h@100°C	Thickness increase	%	≤5
	Weight increase	%	≤5
Dimension		mm	1500×1500
Thickness		mm	0.5、1.0、1.5、2.0、3.0、5.0

Gasket & Material

- Non Asbestos

(Asbestos content: Less than 3%)

Style Aidmer76-001 (L/M/H/G/W)



Aidmer76-001 Compressed Non Asbestos Sheet

Compressed Non-asbestos sheets is made from meerschaum, natural rubber, filling material and dye, compressed and calendered under high temperature and pressure into a sheet form. It eliminates asbestos-rubber sheet essentially and thoroughly.

- **Aidmer76-001L** Low Pressure Compressed Non Asbestos Sheets
- **Aidmer76-001M** Middling Pressure Compressed Non Asbestos Sheets
- **Aidmer76-001H** High Pressure Compressed Non Asbestos Rubber Sheets
- **Aidmer76-001W** Compressed non asbestos with wire mesh
- **Aidmer76-001G** Compressed non asbestos with wire mesh and coated graphite
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ITEM	Compressed Non Asbestos Sheet		
	Aidmer76-001L	Aidmer76-001M	Aidmer76-001H
Density(gm/cc):	1.95±0.1		
Thickness: (MM)	0.5MM TO 5.0MM		
Standard SIZE: (MM)	2000×1500; 1500×4000;1500×1500;1350×1500;1500×1000;1270×1270; 3810×1270mm		
Color	Grey, Black, blue, green		
Compressibility(%):	12±5	12±5	12±5
Recovery(%):	≥40	≥50	≥55
Tensile strength(Mpa):	6	10	12
Corrodent	no	no	no
Stress relaxation(%):	≤45	≤45	≤40
20#oil thick increase(%):	≤25	≤15	≤15
Max. Temperature(°C):	200	300	400
Max. Pressure(Mpa):	2	3	5.1
Media	water water-steam, chemical solvents, hot air alkalis	water water-steam, chemical solvents, hot air alkalis	water water-steam, chemical solvents, hot air alkalis

Gasket & Material

- Asbestos(caf)

Aidmer76-003 (L/M/H/G/W)



Aidmer CAF are made from selected asbestos fibre, natural rubber, filling material and dye. A price worthy quality of dependable performance, plus adaptability to many sealing requirements makes this jointing the most economical sheet packing choice in the wide range of industrial fields.

ITEM	Compressed Asbestos Gasket Sheet				
	Aidmer76-003H	Aidmer76-003M	Aidmer76-003MI	Aidmer76-003L	Aidmer76-003LA
Density(gm/cc):	1.95±0.1				
Thickness(MM):	0.4MM to 5.0MM				
Standard Size(MM) :	2000×1500; 1500×4000;1500×1500;1350x1500;1500×1000;1270×1270; 3810×1270mm				
Color	Red, Blue, Green, Black, Grey				
Compressibility(%):	12±5	12±5	12±5	12±5	12±5
Recovery(%):	≥45	≥35	≥30	≥30	≥30
Tensile strength(Mpa):	19	11	10	7	5
Stress relaxation(%):	≤40	≤45	≤50	≤50	≤50
Max.Temperature(°C):	450	350	300	200	150
Max.Pressure(Mpa):	4.5	3.5	3.0	2.0	1.5
Materials	NR, long-asbestos	SBR,NR, asbestos	SBR,NR, asbestos	NR, asbestos	NR, asbestos
Media	cold or hot water、steam air、alkalis、coal gas、ammonia	cold or hot water、steam air、alkalis、coal gas、ammonia	cold or hot water、steam air、alkalis、coal gas、ammonia	cold or hot water、steam air、alkalis、coal gas、ammonia	cold or hot water、steam air、alkalis、coal gas、ammonia

Style Aidmer76-003W Compressed Non Asbestos Sheet with wire mesh insertion

Style Aidmer76-003G Compressed Non Asbestos Sheet with Graphite coating

Printed your logo or brand on request

Gasket & Material

- Asbestos(Oil Resistance caf)

Aidmer76-003 (OL/OM/OH)



Aidmer oil-resisting OCAF, a cost effective oil resistance asbestos-rubber sheets, are made from selected asbestos fiber, synthetic rubber, filling material and dye. Used in pipelines and apparatus of petrochemical & oil fields

ITEM	Oil resistance Compressed Asbestos Sheet					
	Aidmer76-003OHA	Aidmer76-003OH	Aidmer76-003OM	Aidmer76-003N	Aidmer76-003OL	Aidmer76-003OA
Density(gm/cc):	1.95±0.1					
Thickness: (MM)	0.4MM TO 5.0MM					
Standard Size (MM):	2000×1500; 1500×4000;1500×1500;1350x1500;1500×1000;1270×1270; 3810×1270mm					
Color	Grey, Black, Blue, Green , Red					
Compressibility(%):	12±5	12±5	12±5	12±5	12±5	12±5
Recovery(%):	≥60	≥50	≥45	≥45	≥40	≥35
Tensile strength(Mpa):	15	26			11	10
Corrodent:	no	no	no	no	no	no
Stress relaxation(%)	≤40	≤40	≤40	≤40	≤45	≤45
20#oil thick increase(%):	≤15	≤15	≤17	≤17	≤20	≤25
Max.Temperature(℃):	510	400	350	300	250	150
Max.Pressure(Mpa):	5.0	4.0	3.5	3.0	2.5	1.5
Materials	NBR long-asbestos	NBR long-asbestos	NBR long-asbestos	NBR asbestos	NBR asbestos	NBR asbestos
Media	chemical、hot air alkalis diesel oil	chemical、hot air alkalis diesel oil	chemical、hot air alkalis diesel oil	chemical、hot air alkalis diesel oil	chemical、hot air alkalis diesel oil	chemical、hot air alkalis diesel oil

Style Aidmer76-003OW Compressed Non Asbestos Sheet with wire mesh insertion

Style Aidmer76-003OG Compressed Non Asbestos Sheet with Graphite coating

Printed your logo or brand on request