



GASKET SERIES

JSG-NA Non-asbestos Gaskets

Description

Non-asbestos Material is used to replace asbestos. Because asbestos is not good for people's health.

The basics are the filler and the elastomer used.

While no two compounds (or the % of filler) are identical, the basic Elastomers are: NBR (Buna-N), SBR or Neoprene.

Produces custom die cut gaskets and water jet cut gaskets using above compressed non-asbestos materials for all applications. These materials are generally available in thicknesses ranging from 1/64" to 1/4" thick. Pressure sensitive adhesive (PSA) backing can be added to most compressed non-asbestos gaskets we manufacture to aid in our customers applications.

Klinger, Tesnit, 3-Stars gaskets etc are also upon request.



Programers	Non-asbestos Sheets			Endure Oil Non-asbestos Sheets		
Density (g/cm ³)	1.7 - 1.9	1.7 - 1.9	1.7 - 1.9	1.7 - 1.9	1.7 - 1.9	1.7 - 1.9
Tensile Strength (Mpa)	6	9	12.5	8	11	12
Pressing Rate (≥%)	12 ± 5	12 ± 5	12 ± 5	12 ± 5	12 ± 5	12 ± 5
Elasticity (≤%)	40	45	45	45	50	50
Flabby Stress (≥%)	45	45	45	45	45	45
Maximum Temperature (oC)	200	300	400	250	350	450
Maximum Pressure (Mpa)	1.5	3.0	5.0	2.0	3.0	4.0
Medium	Water, Steam, Salts etc.			Oils, Salts etc.		
Measurement (mm)	Width: 1500mm, 1350mm; Length: 1350mm, 1500mm, 2000mm, 3000mm; Thickness: 0.5mm - 5mm					

Conditions	Rubbers								Composites					
	SBR	Natural	Neoprene	Nitrile	EPDM	Butyl	Hypalon	Silicone	Viton	Cork	Non-Asb	PTFE	Graphite	Mica
Temp. Range (°C)	-25 +70	-50 +85	-20 +110	-20 +110	-40 +120	-45 +130	-35 +140	-70 +220	-30 +220	-20 +130	-20 +400	-200 +230	-200 +500	to +900
Max. Pressure	1	1	1	1	1	1	1	1	1	*	100 bar	20 bar	150 bar	5 bar
Water	Good	Good	Good	Good	V.Good	V.Good	Good	Good	Good	Poor	V.Good	V.Good	Good	*
Steam	Poor	Poor	Poor	Poor	Good	Fair	Poor	Poor	Poor	Poor	Fair	Good	Good	*
Petrol	Poor	Poor	Poor	Good	Poor	Poor	Poor	Poor	V.Good	Good	V.Good	V.Good	Good	*
Lubricating Oils	Poor	Poor	Fair	Good	Poor	Poor	Fair	Good	V.Good	Good	V.Good	V.Good	Good	*
Hyd. Oils (Phosphate)	Poor	Poor	Poor	Poor	Good	Good	Fair	Good	Poor	*	Fair	V.Good	Good	*
Hyd. Oils (Silicate)	Poor	Poor	Good	Good	Fair	Fair	Good	Poor	Good	*	Good	V.Good	*	*
Acids	Fair	Fair	Fair	Good	V.Good	V.Good	V.Good	Fair	Good	*	Fair	V.Good	Fair	*
Alkalis	Fair	Fair	Fair	Fair	Good	V.Good	V.Good	Fair	Fair	*	Good	V.Good	Good	*
Chlorine (Dry)	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	*	Good	Good	Fair	*
Chlorine (Wet)	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	*	Fair	Fair	Fair	*
Ozone	Poor	Poor	Good	Poor	V.Good	V.Good	V.Good	V.Good	V.Good	Fair	Poor	V.Good	Good	*
Natural Gas	Poor	Poor	Good	Good	Poor	Poor	Good	Good	Good	*	V.Good	Good	Good	*
Impermeability to Gas	Fair	Fair	Good	Good	Good	V.Good	V.Good	Poor	V.Good	*	Good	V.Good	Fair	*
Abrasion Resistance	Good	V.Good	Good	Good	Good	Good	Good	Fair	Good	*	*	*	*	*
Recovery	Good	V.Good	Good	Good	Good	Fair	Fair	Good	Fair	V.Good	Good	Poor	Poor	Fair
Low Bolt Load	Fair	Good	Fair	Fair	Fair	Poor	Poor	Fair	Poor	V.Good	Poor	Fair	Poor	Poor
Poor Flange	Fair	Good	Fair	Fair	Fair	Poor	Poor	Fair	Poor	V.Good	Poor	Good	Good	Good
Cost	Low	High	Moderate	Moderate	High	High	High	V.High	V.High	Low	High	V.High	V. High	V. High
Applications	General Purpose	Shot blast, Chut liner	Outdoor, seawater	Oil, Petrol	Chemical, Potable Water	Chemical, Outdoor	Chemical, Outdoor	"High Temp & Voltage, Food, Oil when fluorinated"	High Temp, Petrol, Oil, Chemicals, Gases	Sumps, Switch-gear, Uneven Flanges	Oils, Petrol, Water	Chemicals, Low Temp	Cryogenic, High Temp if NO Oxygen and Steel	Turbo Exhaust, Moving Flanges and Steel



SEALING SHEETS

JSS-NA Non-asbestos Sheets

Description

GINSEAL non-asbestos sheet is suitable for use in many branches of the chemical industry, the food industry and the water supply industry with high standard of performance.

It is resistant to oils, water, steam, gas, salt solutions, fuels, alcohols, organic and inorganic acids, hydrocarbons, lubricants and refrigerants. GINSEAL Non-asbestos sheet has five types as follows:



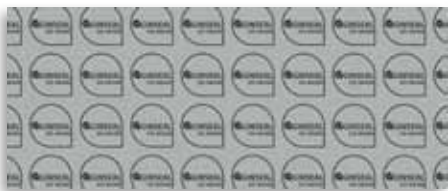
JSS-NA150 is Oil Resistance non-asbestos Gasket sheet is on the basis of acrylic fibers, cellulose fiber and NBR rubber.



JSS-NA200 is an Oil resistance non-asbestos gasket sheet on the basis of aramid fiber, acrylic fibers, mineral fiber, and NBR rubber (Elastic adhesives).



JSS-NA250 is a non-asbestos gasket sheet on the basis of aramid fiber, composite fiber and NBR rubber (Elastic adhesives)



JSS-NA300 is a non-asbestos gasket sheet on the basis of graphite, organic fibers, inorganic fibers and NBR rubber (Elastic adhesives)



JSS-NA350 is a non-asbestos gasket sheet on the basis of graphite, mineral fibers, aramid fiber and NBR rubber (Elastic adhesives)



Item	Unit	JSS-NA150	JSS-NA200	JSS-NA250	JSS-NA300	JSS-NA350
Identification color/overprint	/	Yellow/black	Green/black	blue/black	Gray/Black	Dark Gray/black
Density	g/cm ³	1.9	1.85	1.85	1.75	1.65
Tensile strength ASTM F-152	Mpa	≥5.0	≥6.0	≥7.0	≥7.0	≥7.0
Compressibility ASTM F-36	%	7~17	7~17	7~17	7~17	7~17
Resilience ASTM F-36	%	≥35	≥40	≥40	≥40	≥45
Compressive creep strength	N/mm ²	≤35	≤30	≤30	≤30	≤30
Leakage rate ASTM F-37	cm ³ /s	1.5×10 ⁻²	1.5×10 ⁻³	1.5×10 ⁻³	1.0×10 ⁻³	1.0×10 ⁻³
Oil resistance / IRM903 oil or 3# oil 149°C±2°C,5h	%	≤10	≤10	≤10	≤10	≤10
Thickness growth ASTM Fuel oil B 21°C~30°C,5	%	≤15	≤15	≤15	≤15	≤15
Working Temperature	°C(°F)	100~150 (212~302)	150~180 (302~356)	200~250 (392~482)	200~250 (392~482)	250~300(482~572)
Max Temperature (Instantaneous)	380(716)	380(716)	387(730)	400(752)	430(806)	450(842)
Applicable medium :		Tap water, hot water, atmosphere, weak acid, weak alkali, oil.long-term usage temperature should be 100°C~150°C (212°F~302°F).	Tap water; hot water; Industrial water; seawater; atmosphere; medium acid, medium alkali, oil.long-term usage temperature should be 150°C~180°C (302°F~356°F).	Tap water; hot water; Industrial water; seawater; atmosphere; steam; medium acid, medium alkali,fossil oil; oil. long-term usage temperature should be 200°C (392°F).	it has excellent oil-resistance and good strong acid resistance.it can be used Any occasion Except for special conditions for Containing a certain amount of graphite.long-term usage temperature should be 200°C~250°C(392°F~482 °F). Usage pressure ≤5Mpa.	Except for excellent oil-resistance and good strong acid resistance.it can be used Any occasion where the graphite can be used.long-term usage temperature should be 250°C~300°C (482°F~572°F). If roughness of the coupled surface is 1.2-3.6µm, Usage pressure should ≤5Mpa.