



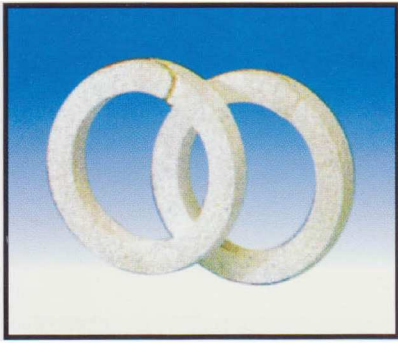
**PT. AREZDA PURNAMA LOKA**

# GLAND PACKING



**ASBESTOS & NON ASBESTOS**

[www.arezda.co.id](http://www.arezda.co.id)



### INGI-CSS-511 P.T.F.E IMPREGNATED ASBESTOS BRAIDED PACKING

The packing that impregnates P.T.F.E dispersion fluid to high quality asbestos fiber then applies 2<sup>nd</sup> surface treatment around braiding, and plasticizes at high degree. Suitable for the revolving shaft or valves needed high mechanical function.

*Produk packing yang disemprot dengan cairan P.T.F.E hingga menjadi asbestos fibre yang berkualitas tinggi kemudian diberi surface treatment ke-2 disekitar anyaman dan dikeraskan pada temperature yang memerlukan fungsi mekanikal yang tinggi.*

SERVICE	P (Bar) max	T(°C)	P.H
	300	-100 ~ 280	2 - 14

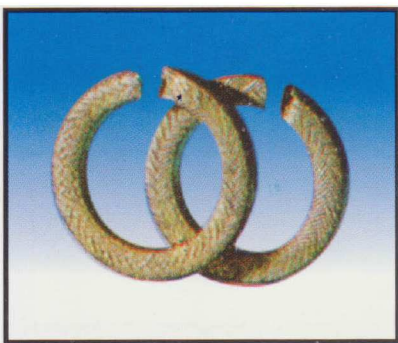


### INGI-CSS-512 LUBRICATED P.T.F.E IMPREGNATED ASBESTOS BRAIDED PACKING

The packing braided around the arrangement of P.T.F.E dispersion liquid and Heat-resistance special lubrication with high quality asbestos, and same as the structure of #CSS 511 but excellent lubrication.

*Produk packing yang dirajut dengan menyemprotkan cairan P.T.F.E dan pelumas khusus yang tahan panas dengan asbestos kualitas tinggi dan mempunyai susunan yang sama dengan #CSS 511 tetapi mempunyai pelumas yang prima.*

SERVICE	P (Bar) max	T(°C)	P.H
	100	-100 ~ 280	4 - 12



### INGI-CSS-513 INCONEL WIRE REINFORCED ASBESTOS PACKING

The packing for high degree and high pressure that reinforced inconel wires to asbestos yarn, arranges heat resistance filler and graphite and braids, having a character of outside not to be destroyed at high degree.

*Produk packing untuk pemakaian pada tekanan dan temperature tinggi yang diperkuat dengan kawat inconel, diisi dengan bahan tahan panas, graphite, dan braids, yang membawa sifat-sifat tahan terhadap temperature tinggi.*

SERVICE	P (Bar) max	T(°C)	P.H
	500	-50 ~ 280	2 - 14



### INGI-CSS-515 HEAT RESISTANCE ASBESTOS BRAIDED PACKING

It consists of chrysotile asbestos fibre yarns impregnated with a heat-resistance lubricating oil, braided into square cross section surface which is treated with good quality of graphite, it has excellent lubrication and flexibility.

*Produk ini terdiri dari chrysotile asbestos fibre yarns yang diproses dengan minyak pelumas tahan panas, dirajut menjadi persegi empat yang diberi graphite berkualitas tinggi, sehingga mempunyai sifat pelumasan dan kelenturan yang tinggi.*

SERVICE	P (Bar) max	T(°C)	P.H
	150	350	4 - 10



### INGI-CSS-517 OIL RESISTANCE ASBESTOS BRAIDED PACKING

It consists of chrysotile asbestos fibre yarns treated with oil-resistance lubricating oil and graphite, braided into square cross section. The sealing ability is excellent because of fine flexibility and strong oil resistance.

*Produk ini terdiri dari chrysotile asbestos fibre yarns yang diproses dengan pelumas tahan minyak dan graphite, dirajut menjadi persegi empat. Berkemampuan men-seal yang prima karena mempunyai kelenturan dan tahan terhadap minyak.*

SERVICE	P (Bar) max	T(°C)	P.H
	150	300	4 - 10

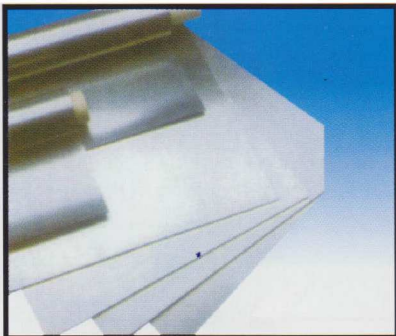


### INGI CSS-519 BRASS WIRE REINFORCED ASBESTOS PACKING

The packing arranged heat resistance to asbestos wires reinforced brass wires and braided then painted high quality graphite, having strong heat resistance, pressure resistance and wearing resistance.

*Produk packing yang diperkuat dengan kawat kuningan dan graphite berkualitas tinggi, tahan panas, tekanan dan ke-ausan.*

SERVICE	P (Bar) max	T(°C)	P.H
	400	400	4 - 10



### INGI-NSS-521 GRAPHITE SHEET

The pure graphite goods that treat acid to purified natural graphite and arrange at high degree, having a unique of graphite only such as heat-resistance and chemical resistance and so on, and excellent and elasticity so that process simply again various JIG with out any additive nor adhesive.

*Terbuat dari graphite murni & mengatur temperature tinggi, mempunyai kekhasan graphite. Tetapi sebagai tahan panas & bahan kimia dll dan berubah-ubah & elastis.*



### INGI-NSS-525 GRAPHITE MOLD PACKING

100% pure graphite starfoll is die formed into ring type suitable wide range of temperature and pressure.

*Dibuat dari bahan grafit murni dicetak berbentuk ring cocok dipakai untuk bermacam-macam kebutuhan baik temperature maupun tekanan.*



### INGI-NSS-639 GRAPHITE TAPE

The free size packing that cut graphite sheet at regular width, processes, the surface with wrinkles and then is made as tape type, winding any sized pump and/or valve and molding simply for use.

*Graphite yang lembar beraturan, pemrosesan permukaan dengan berkumpul kemudian dibuat bentuk tape, berputar untuk ukuran pompa/valve, yang dicetak sederhana.*



### INGI-NSS-711 PURE P.T.F.E FIBRE BRAIDED PACKING

It consist of P.T.F.E fibre yarns which has excellent chemicals-resistance and durability, braided into square cross section, it is non lubricated.

*Produk ini terdiri dari yarn P.T.F.E murni yang mempunyai sifat durability dan tahan kimia, dirajut menjadi persegi empat, dan tidak diberi lubrikasi.*

SERVICE	P (Bar) max	T(°C)	P.H
	100	50 ~ 280	0 - 14



### INGI-NSS-713 LUBRICATED P.T.F.E FIBRE BRAIDED PACKING

It consist of pure P.T.F.E fibre yarns impregnated with T.F.E dispersion and special heat-resisting lubricating oil, braided into square cross section. Abrasion resisting is excellent and mechanical strength is strong. It is suitable for high the speed pumps of almost all chemicals.

*Sama seperti NSS 711, tetapi ditambah dengan minyak pelumas khusus yang tahan panas, tahan gesekan, dan cocok digunakan pada pompa berkecepatan tinggi.*

SERVICE	P (Bar) max	T(°C)	P.H
	100	- 50 ~ 280	0 - 14

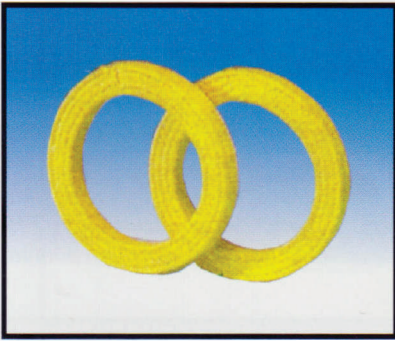


### INGI-NSS-715 G.F.O FIBRE BRAIDED PACKING

The packing braided G.F.O fibre, advanced material, with dispersing very small and good quality graphite to P.T.F.E and combined well the heat-resistance and lower frictions of high purified graphite and the chemicals-resistance of P.T.F.E not hurting the revolving shaft.

*Packing ini dirajut antara fibre G.F.O material tingkat tinggi dengan pacaran sinar kecil dan dicampur dengan graphite murni yang sangat tahan panas dan mempunyai gesekan yang lebih rendah dan packing tahan kimia ini tidak merusak shaft yang sedang befungsi.*

SERVICE	P (Bar) max	T(°C)	P.H
	500	-200 ~ 280	0 - 14



### INGI-NSS-717 ARAMID FIBRE BRAIDED PACKING

It consist of aramid fibre impregnated with T.F.E dispersion and treated with special heat-resistance lubricating oil, braided into square cross section. Outstanding tensile strength like steel and softness afford longer life then others.

*Produk ini terdiri dari aramid fibre diresapi dengan semburan T.F.E dan diproses dengan minyak pelumas khusus yang tahan panas, dirajut segi empat. Mempunyai daya rentang istimewa seperti baja dan keuletannya memberikan umur lebih panjang daripada yang lain.*

SERVICE	P (Bar) max	T(°C)	P.H
	220	-100 ~ 280	2 - 12



### INGI-NSS-719 P.T.F.E IMPREGNATED CARBONIZED FIBRE BRAIDED PACKING

This is packing made by saturating carbonized fibre in T.F.E dispersion solvent and knitted with fretwork elaborately, which is good thermostable and chemical stable and keeps the excellent life by dispersing the frictional heat inside a starting box. The high durability of carbonized fibre increases the mechanical strength ness of packing and keeps the stable efficiency of valve.

*Produk packing ini dibuat dengan merendam Carbonized Fibre keras didalam solvent Dispersion T.F.E dan dirajut secara teliti, yang bagus sebagai penahan panas dan tahan kimia dan tahan dipakai dengan membuang panas karena gesekan kedalam starffing box. Ketahanan fibre yang tinggi meningkatkan mekanikal packing dan membuat valve bekerja secara efisien.*

SERVICE	P (Bar) max	T(°C)	P.H
	250	280	2 - 12

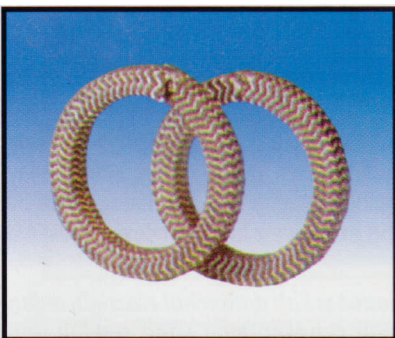


### INGI-NSS-727 CHEMICALS-RESISTANCE ARAMID & P.T.F.E FIBRE BRAIDED PACKING

The goods that mix a high tensile ARAMID fibre and P.T.F.E fibre which is excellent for chemicals-resistance and durability, then braid. Suitable for the machinery asking revolving and/or reciprocating movement required high efficiency fields such as paper factory, waste queter facility and food process industry.

*Produk ini terdiri dari campuran ARAMID fibre dan P.T.F.E fibre yang tahan terhadap bahan kimia, kemudian dirajut. Cocok digunakan pada mesin dengan gerakan berputar maupun reciprocating, seperti yang terdapat pada pabrik kertas, fasilitas limbah, dan industri makanan.*

SERVICE	P (Bar) max	T(°C)	P.H
	200	280	2 - 12

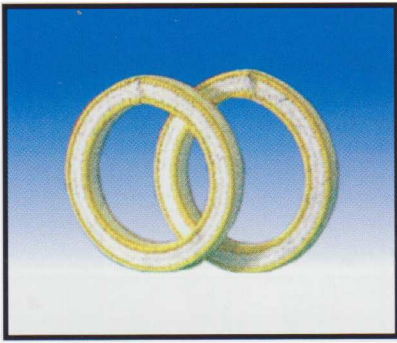


### INGI-NSS-729 G.F.O & P.T.F.E FIBRE BRAIDED PACKING

The goods braided special G.F.O fibre with P.T.F.E fibre, having a character that forms little bit oil to resist the penetration of oil to G.F.O fibre. Suitable for various revolving and reciprocating machinery.

*Produk ini dibuat dari rajutan G.F.O fibre dengan P.T.F.E yang mempunyai sifat menahan penetrasi minyak ke dalam G.F.O fibre. Cocok untuk berbagai macam mesin yang berputar dan mesin reciprocating.*

SERVICE	P (Bar) max	T(°C)	P.H
	200	-100 ~ 280	0 - 14



### INGI-NSS-731 P.T.F.E REINFORCED ARAMID FIBRE BRAIDED PACKING

The goods reinforced ARAMID fibre to P.T.F.E fibre and braided, having characters of high density and high tensile strength. Possible to apply with general PH ranges, especially adaptable for high pressure over 500 Bar piston pump (revolving movement).

*Produk ini dibuat dari rajutan serat G.F.O dan serat P.T.F.E mempunyai sifat kepadatan dan daya rentang yang tinggi. Digunakan pada tingkat PH normal, terutama sangat cocok untuk tekanan lebih dari 500 Bar pada pompa piston.*

SERVICE	P (Bar) max	T(°C)	P.H
	500	-200 ~ 280	2 - 13



### INGI-NSS-733 G.F.O REINFORCED ARAMID FIBRE BRAIDED PACKING

The goods reinforced ARAMID fibre to G.F.O fibre especially filling up the part of ARAMID fibre with G.F.O fibre in all, giving good anti-frictions and heat conduction under high degree and high pressure. Suitable for water (waste water process equipment), hot water, various kind of oil gas and solvent as mild acidity and alkalinity and also for revolving and reciprocating movement machinery.

*Produk ini terdiri dari rajutan ARAMID fibre, memberikan anti friksi/gesekan dan konduksi panas dibawah derajat panas dan tekanan tinggi. Cocok untuk air (peralatan proses air limbah) air panas, berbagai minyak & gas, dan solvent seperti keasaman dan alkalinity yang ringan dan juga untuk dipergunakan pada permesinan dengan gerakan revolving dan reciprocating.*

SERVICE	P (Bar) max	T(°C)	P.H
	250	-200 ~ 280	2 - 12



### INGI-NSS-735 G.F.O WITH P.T.F.E FIBRE LUBRICATED BRAIDED PACKING

The goods reinforced each corner of packing mixing G.F.O fibre with P.T.F.E fibre having better lubrication when high speed. Suitable for strong corrosive fields, especially for pumps using strong purified water (liqueur, alcohol, etc) and chemical bleaching agent a grinder of paper company, soaking facility and the machinery with injection pump and or absorbing eliminator.

*Produk ini terdiri dari jalinan G.F.O fibre dengan P.T.F.E fibre yang diperkuat pada sudut-sudutnya dan yang memberikan pelumasan lebih baik pada putaran tinggi. Cocok untuk lapangan yang sangat corrosive, terutama pompa yang digunakan dalam air sulingan yang keras (liqueur, alcohol, dll) dan chemical bleaching pada grinder perusahaan kertas, fasilitas perendaman dan untuk mesin-mesin dengan pompa injeksi atau resapan.*

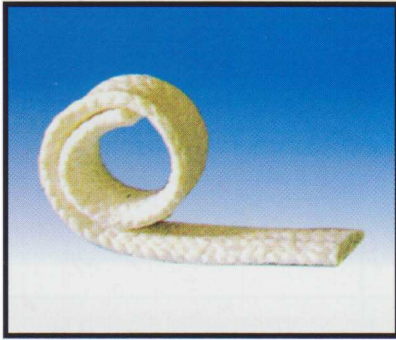
SERVICE	P (Bar) max	T(°C)	P.H
	200	-200 ~ 280	0 - 14



### INGI-NSS-737 HATCH COVER PACKING

This is a goods braided by P.T.F.E after braiding the fibre which is excellent in durability against medicene to the special rubber which is excellent in elasticity and this display excellent sealing capacity even at low clamping pressure and little deformation by using repeatedly and this is a packing of using exclusively for hatch cover. This is a good to be made by order.

*Produk ini dirajut dengan P.T.F.E yang bagus sekali dalam hal elastisitas dan kemampuan me-seal bahkan pada tekanan cengkeraman yang rendah dan deformasi yang kecil dalam pemakaian berulang kali dan packing ini digunakan khusus untuk hatch cover. Produk ini dibuat atas pesanan.*



### INGI-NSS-743 CHEMICAL GASKET & TAPE

It is made of tough braided P.T.F.E fibre which is excellent in chemicals resistance and heat-resisting treated with special lubrications making it suitable for use with flange where low flange pressure and flange irregularities require the easy compression of the gasket. Production by order under specification.

*Dibuat dari rajutan P.T.F.E fibre yang kuat dalam sifat tahan kimia dan tahan panas yang diberi pelumas khusus membuat produk ini cocok dipergunakan untuk flange dimana tekanan flange rendah dan ketidak seragaman flange memerlukan tekanan gasket secara mudah. Produk ini dibuat atas pesanan.*

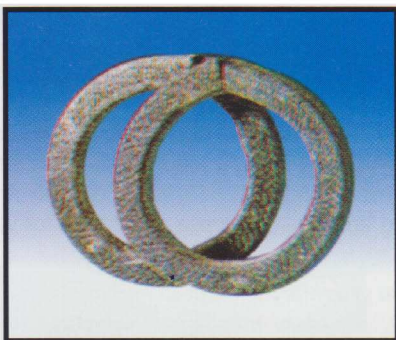


### INGI-NSS-745 HIGH PRESSURE PACKING

This is an elaborately knitted product of a highly tensile GRAPHITE fibre by the advanced knitting frame developed 'worldly first' and it shows a good capability at high pressure piston pump and valve producing leakage by the use of V-packing. It doesn't produce the damage of sleeve at all and is a suitable packing for an atomic power plant because it has remained quantity of chloride under 50 ppm.

*Produk ini dirajut dari fibre GRAPHITE yang berdaya lentur tinggi dengan kerangka rajutan modern dan produk ini menunjukkan kemampuan tinggi dalam menahan kebocoran dengan memakai V-packing pada pompa piston dan valve. Produk ini sama sekali tidak merusak sleeve dan cocok untuk pembangkit listrik nuklir karena cukup meninggalkan chloride dibawah 50ppm.*

SERVICE	P (Bar) max	T(°C)	P.H
	400	-212 ~ 300	0 - 14

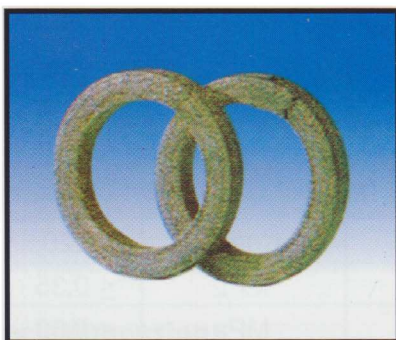


### INGI-NSS-747 LUBRICATED P.T.F.E IMPREGNATED CARBONIZED FIBRE BRAIDED PACKING

This product made by saturating the product NSS 719 in a special lubricant, which is good thermostable, and chemical stable in use for a pump. The excellent self lubricantability and less damage of packing due to the frictional heat extend its life.

*Produk ini dibuat dengan merendam produk NSS 719 didalam pelumas khusus, yang tahan panas, dan tahan kimia dalam pemakaian pompa. Pelumasan sendiri yang istimewa membuat packing lebih tahan lama terhadap panas gesekan.*

SERVICE	P (Bar) max	T(°C)	P.H
	200	200	2 - 12

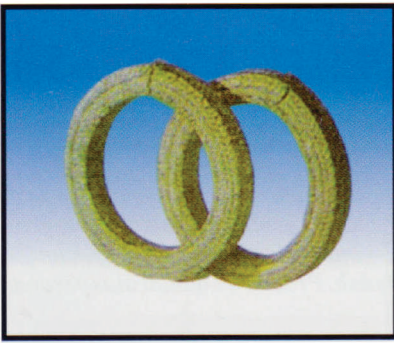


### INGI-NSS-749 P.T.F.E IMPREGNATED CARBON FIBRE BRAIDED PACKING

This is a product of plasticity made by saturating carbon fibre in the T.F.E dispersion solvent for a long time after knitting the fibre with fretwork elaborately, which is good thermostable and chemical stable and has a long life because of its good thermal conductivity. It is in general used for valves and can be replaced by asbestos.

*Produk ini dibuat dengan merendam carbon fibre ke dalam T.F.E dispersion solvent dalam waktu yang lama setelah dirajut, bagus sebagai penahan panas dan tahan kimia dan mempunyai umur pemakaian yang lama karena sifatnya sebagai penyalur panas yang bagus.*

SERVICE	P (Bar) max	T(°C)	P.H
	250	300	2 - 12



### INGI-NSS- LUBRICATED P.T.F.E IMPREGNATED CARBON FIBRE BRAIDED PACKING

This is a packing made by saturating the product NSS 749 in a special lubricant, which keeps the long life in use for a pump. Especially the good self-lubricantability and low friction reduce the loss of power and the high durability makes the repair and maintenance expenses economical.

*Packing ini dibuat dengan merendam NSS 749 ke dalam pelumas khusus, sehingga umur pakainya lama dalam pengoperasian sebuah pompa.*

SERVICE	P (Bar) max	T(°C)	P.H
	250	300	2 - 12

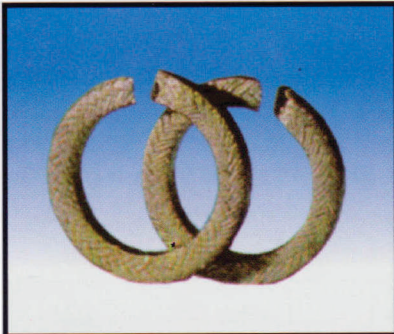


### INGI-NSS-753 SUPER PURE GRAPHITE PACKING

It consist of pure graphite fibre yarns, braided into square cross section. It is chemically insert and suitable for high temperature, high speed, high pressure environments requiring the anti-acidity. Because it dissipates well the heat during the operation and maintains smooth surface without a sleeve abrasion due to its good lubrication nature, it is an almighty packing to solve completely all the problems in conventional packing.

*Produk ini terdiri dari graphite fibre yarns murni, yang dirajut menjadi persegi empat. Cocok untuk pemakaian pada temperature tinggi, kecepatan tinggi, tekanan tinggi yang sekelilingnya memerlukan anti acid.*

SERVICE	P (Bar) max	T(°C)	P.H
	250	-200 ~ 1600	2 - 14

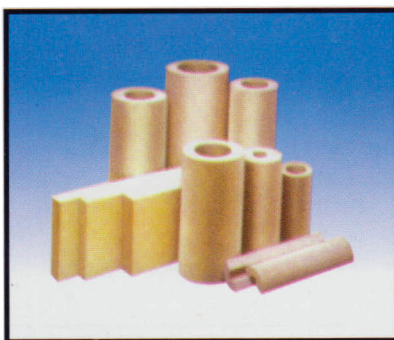


### INGI-NSS-755 INCONEL WIRE REINFORCED GRAPHITE FIBRE BRAIDED PACKING (NON ASBESTOS)

This is a product made by reinforcing graphite fibre with inonel wire which is good thermastable and by knitting with fretwork elaborately. It is a packing to keep the stable efficiency in high temperature and high pressure and is elastic to make up for defects of the conventional Graphite Mold Packing and was developed particularly for valve packing.

*Produk ini dibuat dengan memperkuat graphite fibre dengan inonel wire dan merajutnya dengan teliti/seksama. Produk ini stabil dipakai dalam temperatur tinggi dan tekanan tinggi.*

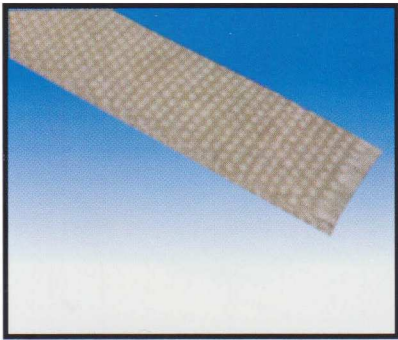
SERVICE	P (Bar) max	T(°C)	P.H
	600	-200 ~ 3000	0 - 14



- Calcium Silicate INGI Hysil -800 (Pipe Cover)
- Calcium Silicate INGI Hysil -1000 (Board & Block)

Items	Unit	Value
Bulk density	Kg/m <sup>3</sup>	≤ 220
Flexural strength	MPa	≤ 0.35
Compressive strength	MPa	≤ 0.60
Thermal conductivity	W (m·k)	≤ 0.060
Service temperature	K	923
Linear shrinkage	%	≤ 2.0





## Fiberglass tape

Fiberglass tape (plain) withstands temperatures up to 1000°F, Applications include wrapping steam tracer lines, hose, piping, tadpole tapes, gasketing, and curtains for high temperature ovens.

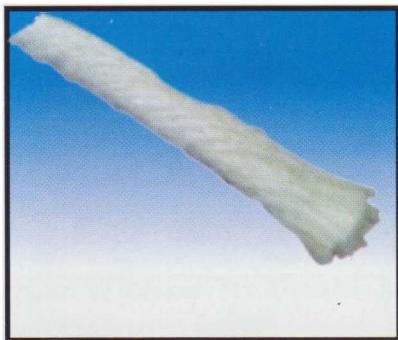
Thickness 0.8mm ~ 3.0mm

Width 20mm ~ 500mm

Length 30m

In order to adapt to different application, we can make various treatment as followings.

- 9480 coated with aluminium foil on single side or both sides.
- 9383 dewaxing, extract the most organic elements from the fabrics by heat treatment.
- 9649 impregnated with silicone oil
- 9957 dyeing the fabrics to any colors with heat resistant chemical dye
- 9995 coated with silicone rubber on single or both sides
- MHT-2700 coated with vermiculite to increase the heat resistance
- FW1969 coated with graphite



## Fiberglass bulk rope twist rope

Fiberglass bulk rope

- Application
- coke furnace, stove and boiler
  - valve or pump, exchanger, kiln car
  - burner, chimney door sealing
  - electrical insulation

Bulk yarn type E-glass or C-glass

Temperature resistance 550°C

Dia 3mm 50mm



## Ramie fiber packing impregnated with PTFE

Ramie fiber packing impregnated with PTFE is a flexible readily controllable packing which requires little maintenance and treats shaft gently.

It is used to seal pumps, refines, filters, valves in the brewing and beverages industry. The paper making industry, shipbuilding and other fields,. And especially used in the foodstuffs and pharmaceutical industries.

It is suitable for water of all qualities, sea water, weak acids and alkalis, brines, oils, greases, celluloses mashes, and especially resistant to abrasive media.

T (°C)	-200 ~ 260		
PH	2 - 12		
P (bar)	20	100	100
Vg (ms)	12	1.2	2

### Stock dimension

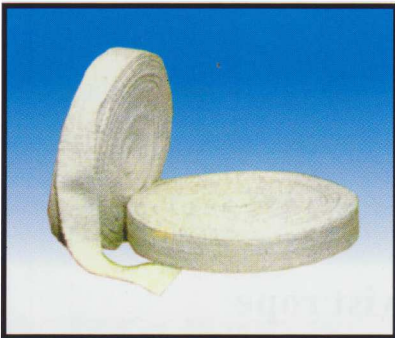
mm sq	3	4	5	6	8	10	11	12	14	16	18	20	22	25
m/kg abt.	74	52	26	17	10	7.5	5	4.5	3.5	2.6	2	1.8	1.38	1.04



#### **INGI-CSS-411 TWISTED ASBESTOS ROPE**

Packing for Heat-resistance or Hot-keeping in steamer, boiler, vehicles and machineries and sealing for highly heated part.

*Meredam/menghambat panas. Digunakan pada steamer, boiler, mesin industries/kendaraan dan sebagainya.*



#### **INGI-CSS-413A ASBESTOSTAPE**

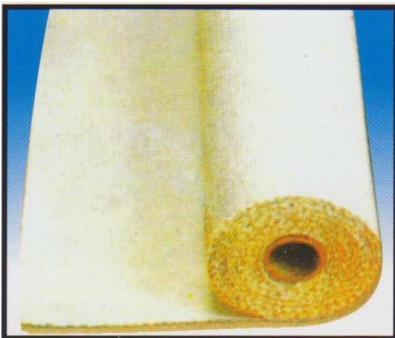
Heat insulation, heat-resistance Gasket, Materials of Packing

*Peredam panas untuk pipa, sambungan pipa, knalpot dll. Juga digunakan sebagai gasket.*

#### **INGI-SCC-413B METALLIC ASBESTOSTAPE**

Heat Insulation, Heat-resistance Gasket, Materials of packing.

*Peredam panas untuk pipa, sambungan pipa, knalpot dll. Juga digunakan sebagai gasket.*



#### **INGI-CSS-415A ASBESTOS CLOTH**

Packings for heat-Resistance, Fire-Protection clothes, Gloves Insulation for boilers and varied uses.

*Packing anti panas, pakaian & sarung tangan anti panas. Sebagai isolasi untuk boiler, turbin, dll.*

#### **INGI-CSS-415B METALLIC ASBESTOS CLOTH**

Packings for Heat-Resistance, Fire Protection Clothes, Gloves insulation for boilers, used for brake lining, Fire-Protection Screen and Heat-Resistance Gaskets which require super heat or strength resistance.

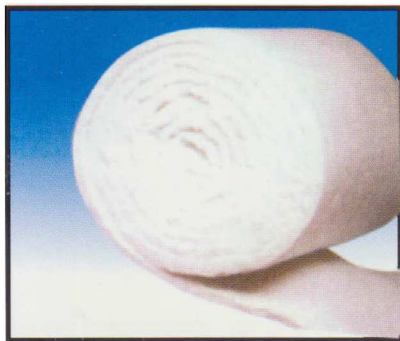
*Packing anti panas untuk pipa, sambungan pipa, knalpot dll. Juga digunakan sebagai gasket, untuk rem, lapisan anti api dan sangat efektif sebagai bahan isolasi untuk temperature tinggi.*



#### **INGI-CSS-417 COTTON BRAIDED PACKING**

This packing is braiding high quality cotton, suitable for the door packing of food and medicine. Low speed pump, added lubricating oil and other chemical as requested.

*Produk packing ini memiliki kualitas kabun yang tinggi, sesuai untuk pintu kemasan makanan dan obat menggunakan pipa berkecepatan rendah. Minyak pelumas dan chemical lainnya dapat ditambahkan sesuai dengan permintaan.*



## Ceramic fiber blanket

### Producing technology

Each type of ceramic fiber blanket is made up of the corresponding ceramic fiber (such as COM, STD, HA, H, AND HZ fiber) which is produced by blowing technology, consist of such production courses as needling, heat shaped, cutting into proper length and width, bundling up, etc.

Each type of blanket has fine tensile strength except for the fine properties of the corresponding fiber, at the same time, it has well distributed, composition and construction, and a flat face.

Blankets of different bulk weight and thickness provide a wide range for our customers choices, so they can design the best insulation construction and get fine benefits.

Item	COM	STD	HP	HA	HZ	
Specification temp (°C)	1260	1260	1260	1400	1400	
Working temp (°C)	<1000	1000	1100	1200	1350	
Colour	White	White	White	White	White	
Density (kg/m <sup>3</sup> )	96 128	96 128	96 128	128 160	128 160	
Rate of liner (%) (24h.128kg/m <sup>3</sup> )	-4 (1000°C)	-3 (1000°)	-3 (1000°)	-3 (1200°C)	-3 (1350°C)	
Rate of thermal Conductivity (W/m.K) (128kg/m <sup>3</sup> )	0.09 (400°C) 0.16 (800°C)	0.09 (400°C) 0.16 (800°C) 0.20 (1000°C)	0.09 (400°C) 0.16 (800°C) 0.20 (1000°C)	0.12 (600°C) 0.20 (1000°C)	0.15 (800°C) 0.20 (1000°C)	
Tensile Strength (MPa) (128kg/m <sup>3</sup> )	0.04	0.04	0.04	0.04	0.04	
Chemical composition (%)	A1 <sub>2</sub> O <sub>3</sub>	44	46	47-49	52-55	39-40
	A1 <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub>	96	97	96	99	-
	A1 <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub> + ZrO <sub>2</sub>	-	-	-	-	99
	ZrO <sub>2</sub>	-	-	-	-	15-17
	Fe <sub>2</sub> O <sub>3</sub>	<1.2	<1.0	0.2	0.2	0.2
Na <sub>2</sub> O + K <sub>2</sub> O	<=0.5	<=0.5	0.2	0.2	0.2	

Specification (mm) 7200 x 610 x 12.5 50. other made according to customers requirement.



## Ceramic fiber boards

All kind of ceramic fiber boards, adopting corresponding blowing fiber (COM, STD, HA, H, HZ) as the material, are produced by vacuum formed technology.

All kind of ceramic fiber boards, do not only process the same function of fiber, but also have hard texture, excellent toughness and intensity, and excellent erosion resistance.

### Technical index

Item	COM	STD	HP	HA	HZ	
Specification temp (°C)	1260	1260	1260	1400	1400	
Working temp (°C)	<1000	1000	1100	1200	1350	
Colour	White	White	White	White	White	
Density (kg/m <sup>3</sup> )	260 320	260 320	260 320	260 320	260 320	
Rate of liner (%) (24h.320kg/m <sup>3</sup> )	-4 (1000°C)	-3 (1000°)	-3 (1000°)	-3 (1200°C)	-3 (1350°C)	
Rate of thermal Conductivity (W/m.K) (Density 285kg/m <sup>3</sup> )	0.085 (400°C) 0.132 (800°C) 0.180 (1000°C)	0.085 (400°C) 0.132 (800°C) 0.180 (1000°C)	0.085 (400°C) 0.132 (800°C) 0.180 (1000°C)	0.085 (400°C) 0.132 (800°C) 0.180 (1000°C)	0.085 (400°C) 0.132 (800°C) 0.180 (1000°C)	
Tensile Strength (MPa)	0.5	0.5	0.5	0.5	0.5	
Chemical composition (%)	A1 <sub>2</sub> O <sub>3</sub>	44	46	47-49	52-55	39-40
	A1 <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub>	96	97	96	99	-
	A1 <sub>2</sub> O <sub>3</sub> + SiO <sub>2</sub> + ZrO <sub>2</sub>	-	-	-	-	99
	ZrO <sub>2</sub>	-	-	-	-	15-17
	Fe <sub>2</sub> O <sub>3</sub>	<1.2	<1.0	0.2	0.2	0.2
Na <sub>2</sub> O + K <sub>2</sub> O	<=0.5	<=0.5	0.2	0.2	0.2	

Specification (mm) 600 x 400 x 20-50, 900 x 600 x 20-50. other made according to customers requirement.



Produksi  
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