



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 3rd surface treatment (around braiding, and plasticizes at high degree. Suitable for the revolving shaft or valves needing high mechanical function.

Produk packing yang diimpregnasi dengan cairan P.T.F.E hingga menjadi asbestos fiber yang berkualitas tinggi kemudian diberi surface treatment ke-2 diakhirnya untuk dan dilubrikasi pada temperatur yang normal dan fungsi mekanikal yang tinggi.

SERVICE	P (Bar) max	T(°C)	P.H
	300	-100 - 200	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 then resistance special lubrication with high quality asbestos, and same as the structure of ICSS-511 but excellent lubrication.

Produk packing yang dibuat dengan mengimpregnasi cairan P.T.F.E dan pelumas khusus yang tahan panas dengan asbestos kualitas tinggi dan mempunyai struktur yang sama dengan ICSS 511 tetapi mempunyai pelumas yang prima.

SERVICE	P (Bar) max	T(°C)	P.H
	100	-100 - 200	4 - 12



INGI-CSS-513 INCONEL WIRE REINFORCED ASBESTOS PACKING

The packing for high degree and high pressure that reinforced inconel wire to asbestos yarn, asbestos heat resistance fiber and graphite and binds, having a character of outside not to be destroyed with high degree.

Produk packing untuk pemakaian pada tekanan dan temperatur tinggi yang diperkuat dengan kawat inconel, dilub dengan bahan tahan panas, graphite, dan binds, yang memiliki sifat-sifat tahan terhadap temperatur tinggi.

SERVICE	P (Bar) max	T(°C)	P.H
	500	-50 - 650	2 - 14



INGI-CSS-515 HEAT RESISTANCE ASBESTOS BRAIDED PACKING

It consists of chrysotile asbestos fiber yarn 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 fiber yarn yang diimpregnasi dengan minyak pelumas tahan panas, dibuat menjadi bentuk persegi empat yang dilubrasi dengan kualitas tinggi, sehingga mempunyai sifat pelumasan dan kelenturan yang tinggi.

SERVICE	P (Bar) max	T(°C)	P.H
	100	350	4 - 10



INGI-C88-817 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 atas chrysotile asbestos fibre yarns yang diproses dengan pelumas olihan minyak dan graphite, dijahit menjadi bentuk segi empat. Berketahanan minyak yang prima karena mempunyai ketahanan dan elastisitas yang tinggi.

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



INGI-C88-819 BRASS WIRE REINFORCED ASBESTOS PACKING

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

Produk packing yang diproses dengan kawat tembaga dan graphite berketahanan tinggi, tahan panas, tekanan dan keausan.

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



INGI-N88-821 GRAPHITE SHEET

The pure graphite goods that treat add is 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 elasticity so that process simply again various JIG without any additive for adhesive.

Terbuat dari graphite murni & mengatur temperatur tinggi mempunyai ketahanan graphite. Tidak menambah bahan panas & bahan kimia dll dan berwujud sheet & sheet.



INGI-N88-823 GRAPHITE MOLD PACKING

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

Dibuat dari bahan graph 100% diolah menjadi bentuk ring cocok dipakai untuk temperatur-max dan tekanan built temperature maupun tekanan.



INGI-NSS-539 GRAPHITE TAPE

The free size packing that cut graphite sheet at regular width, processes, the surface with circles another. It made at tape type, sliding any size and expansion valve and molding simply for use.

Graphite yang lebar beraturan, prosesnya permukaan dengan berlingkang kemudian dibuat bentuk tape, bergerak untuk ukuran pompa/valve, yang dibuat sederhana.



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

It consist of P.T.F.E fibre yarn which has excellent chemical-resistance and durability, braided into square cross section, it's not lubricated.

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

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 yarn 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.

Some seperti NSS 711, tetapi ditambahi 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 with the heat-resistance and lower friction of high purified graphite and the chemical-resistance of P.T.F.E not having the revolving shaft.

Packing ini dijahit antara fiber G.F.O dan material ringkas yang digabung dengan pecahan grafit kecil dan dicampur dengan graphite murni yang sangat tahan panas dan mempunyai gesekan yang lebih rendah dan packing tahan kimia ini tidak merosot shaft yang sedang berputar.

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 diamond softness offers longer life than others.

Produk ini terdiri dari aramid fibre dirajut dengan sembaran T.F.E dan dispersi dengan minyak pelumas khusus yang tahan panas, diajir rapi/empuk. Mempunyai daya resistansi abrasi seperti baja dan ketahanan yang memberikan umur lebih panjang dan grade yang lebih.

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 treated with leucobis laboratory, which is good thermosettable 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 area of packing and keeps the stable efficiency of valve.

Produk packing ini dibuat dengan menggunakan Carbonized Fibre yang dididam solvent Dispersive T.F.E dan diajir secara rapi, yang sangat unggul terhadap panas dan bahan kimia dan tahan dipadai dengan membusuk panas karena struktur keuletan starting box. Ketahanan fibre yang tinggi meningkatkan ketahanan packing dan membuat valve bekerja secara efisien.

SERVICE	P (Bar) max	T(°C)	P.H
	220	280	2-13



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, than brass. Suitable for the machinery asking revolving and/or reciprocating movement required high efficiency fields such as paper factory, waste-water facility and food process industry.

Produk ini terdiri dari campuran ARAMID fibre dan P.T.F.E fibre yang tahan terhadap bahan kimia, ketahanan abrasi. 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
	220	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 life 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 gerak reciprocating.

SERVICE	P (Bar) max	T(°C)	P.H
	220	-100 - 280	2-14



INQ-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.F. dan serat P.T.F.E. mempunyai sifat ekspansif dan daya remang yang tinggi. Digunakan pada rangkaian 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	2-10



INQ-NSS-733 G.F.F. REINFORCED ARAMID-FIBRE BRAIDED PACKING

The goods reinforced ARAMID fibre to G.F.F fibre especially fitting up the part of ARAMID fibre with G.F.F 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 suitable for revolving and reciprocating movement machinery.

Produk ini terdiri dari rajutan ARAMID fibre, memberikan anti frictif dengan dan konduktivitas panas dibarengi dengan daya remang yang tinggi. Cocok untuk air (pencelupan proses air limbah) air panas, berbagai minyak & gas, dan solvent seperti kerosamin dan etilalcohol 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



INQ-NSS-735 G.F.F. WITH P.T.F.E FIBRE LUBRICATED BRAIDED PACKING

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

Produk ini terdiri dari jalinan G.F.F. fibre dengan P.T.F.E fibre yang diberikan pada pusat-satelarnya dan yang memberikan pelumasan lebih baik pada putaran tinggi. Cocok untuk lapangan yang sangat corrosive, terutama pompa yang digunakan dalam air minuman yang berat (liqueur, alcohol, etc) dan chemical bleaching pada grinder perusahaan kertas, fasilitas pemukiman dan untuk mesin-mesin dengan pompa injeksi atau resiproc.

SERVICE	P (Bar) max	T(°C)	P.H
	300	-100 - 280	0-14



INQ-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 medicine 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 dibuat dengan P.T.F.E yang bagus sebagai dalam hal elastisitas dan daya tahan anti-oxidasi bahkan pada tekanan yang konstan yang mudah dan efektif yang kecil dalam pemadatan dibutuhkan 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 terdapat irregularitas flange memerlukan tekanan gasket secara mudah. Produk ini dibuat atas pesanan.



INGI-NSS-745 HIGH PRESSURE PACKING

This is an abrasionly treated product of a highly tensile GRAPHITE fibre by the advanced knitting/raja-developed knitted first and it shows a good capability strong pressure-piston pump and valve producing leakage by the use of V packing. It doesn't produce the damage of sleeves steel and is a suitable packing for an atomic power plant because it has remained quantity of chloride under 50ppm.

Produk ini dirajut dari fibre (GRAPHITE) yang berdaya tarik tinggi dengan teknologi rajutan modern dan produk ini menunjukkan kemampuan tinggi dalam menahan abrasi dan dengan memakai V packing pada pompa piston dan valve. Produk ini sama sekali tidak merusak sleeve dan cocok untuk pembangkit listrik nuklir karena cukup mengandung 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 lubricability and less damage of packing due to the frictional heat extend its life.

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

SERVICE	P (Bar) max	T(°C)	P.H
	200	300	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 P.T.F.E dispersion solvent for a long smoother knitting the fibre with hobcock elaborately, which is good thermostable and chemically 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 P.T.F.E dispersion solvent dalam waktu yang lama setelah dirajut. Rajut sebagai pemadat panas dan tahan kimia dan mempunyai umur pemakaian yang lama karena sifatnya sebagai penyeder panas yang baik.

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



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

This is a packing made by saturating the product NSS T49 in a special lubricant, which keeps the long life in use for a pump. Especially the good self-lubricability 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 T49 ke dalam pelumas khusus, sehingga umur pakatannya lama dalam pengoperasian relatif pompa.

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



INGI-NSS-T50 SUPER-PURE GRAPHITE PACKING

It consists of pure graphite fibre yarn, braided into square cross section. It is chemically inert and suitable for high temperature, high speed, high pressure environments requiring the anti-welding. Because it disperses well the heat during the operation and maintains smooth surface without a severe abrasion due to its good lubrication nature, it is an airtight packing to solve completely all the problems in conventional packing.

Produk ini terdiri dari grafitis fiber murni murni, yang struktur seratnya sangat rapat. Dapat used pada kondisi suhu temperatur tinggi, kecepatan tinggi, tekanan tinggi yang sebelumnya pernah gagal anti-acid.

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



INGI-NSS-T55 INCONEL WIRE REINFORCED GRAPHITE FIBRE BRAIDED PACKING (NON ASBESTOS)

This is a product made by reinforcing graphite fibre with Inconel wire which is good malleable and by knitting with Inconel 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 fibre Packing and was developed particularly for valve packing.

Produk ini dibuat dengan memperkuat grafitis fiber dengan Inconel wire dan menganyam dengan teknik khusus. Produk ini stabil dipukul dalam temperatur tinggi dan tekanan tinggi.

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



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

Items	Unit	Value
Bulk density	Kg/m ³	≤ 320
Flexural strength	MPa	≤ 0.35
Compressive strength	MPa	≤ 0.60
Thermal conductivity	W/(m.k)	≤ 0.060
Service temperature	K	823
Linear shrinkage	%	≤ 2.0



Fiberglass tape

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

Thickness 0.8mm - 3.0mm

Width 25mm - 500mm

Length 30m

In order to adapt to different applications, we can make various treatments 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 350°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 gandy.

It is used to seal pumps, valves, 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, cellulosic wastes, 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
ns/kg abs.	74	32	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 machines and sealing for highly heated part.

Meredam/menghambur panas. Digunakan pada steamer, boiler, mesin industri dan kendaraan dan sebagainya.



INGI-CSS-413A ASBESTOTAPE

Heat-insulation, Heat-resistance Gasket, Materials of Packing

Peralatan pompa untuk pipa, sambungan pipa, insulator dll. Juga digunakan sebagai gasket.

INGI-SCC-413B METALLIC ASBESTOTAPE

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

Peralatan pompa untuk pipa, sambungan pipa, insulator dll. Juga digunakan sebagai gasket.



INGI-CSS-415A ASBESTOS CLOTH

Packings for Heat-Resistance, Fire-Protection clothes, Gloves Insulation for boilers and related uses.

Packing untuk panas, pelindung & sarung tangan untuk 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 Screens and Heat-Resistance Gaskets which require super heater strength resistance.

Packing untuk panas untuk pipa, sambungan pipa, insulator dll. Juga digunakan sebagai gasket, mesin rem, lapisan anti api dan sarung tangan yang terbuat dari bahan tahan panas untuk temperatur tinggi.



INGI-CSS-417 COTTON BRAIDED PACKING

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

Produk packing ini memiliki kualitas bahan yang unggul, untuk untuk pompa kecepatan rendah dan lain sebagainya yang 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, burling 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 contraction, 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 (mm) (C)	1200	1200	1200	1400	1400	
Working temp. (°C)	>1800	>1600	>1500	>1300	>1200	
Colour	White	White	White	White	White	
Density (kg/m ³)	90	90	90	100	120	
Rate of liner (%) (200-1200kg/m ³)	-4 (1500°C)	-3 (1600°C)	-3 (1500°C)	-3 (1300°C)	-4 (1200°C)	
Rate of normal Conductivity (W/m.K) (120kg/m ³)	0.08 (400°C) 0.14 (800°C)	0.08 (400°C) 0.14 (800°C) 0.20 (1000°C)	0.08 (400°C) 0.14 (800°C) 0.20 (1000°C)	0.12 (400°C) 0.20 (800°C)	0.18 (400°C) 0.25 (800°C)	
Tensile Strength (MPa) (120kg/m ³)	0.94	0.94	0.94	0.94	0.94	
Chemical composition (%)	Al ₂ O ₃	44	48	41-48	50-55	38-40
	Al ₂ O ₃ + SiO ₂	90	97	90	90	-
	Al ₂ O ₃ + SiO ₂ + ZrO ₂	-	-	-	-	90
	ZrO ₂	-	-	-	-	10-17
	Fe ₂ O ₃	<1.2	<1.0	<1.2	0.2	0.2
	H ₂ O + H ₂ O	<0.5	<0.5	0.2	0.2	0.2

Specification (mm) 7300 x 610 x 12.5 30, other made according to customer 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 possess 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 (mm) (C)	1200	1200	1200	1400	1400	
Working temp. (°C)	>1800	>1600	>1500	>1300	>1200	
Colour	White	White	White	White	White	
Density (kg/m ³)	260	260	260	260	260	
Rate of liner (%) (200-1200kg/m ³)	-4 (1500°C)	-3 (1600°C)	-3 (1500°C)	-3 (1300°C)	-4 (1200°C)	
Rate of normal Conductivity (W/m.K) (Density 260kg/m ³)	0.08 (400°C) 0.13 (800°C) 0.18 (1000°C)	0.08 (400°C) 0.13 (800°C) 0.18 (1000°C)	0.08 (400°C) 0.13 (800°C) 0.18 (1000°C)	0.08 (400°C) 0.13 (800°C) 0.18 (1000°C)	0.08 (400°C) 0.13 (800°C) 0.18 (1000°C)	
Tensile Strength (MPa)	0.4	0.5	0.5	0.4	0.5	
Chemical composition (%)	Al ₂ O ₃	44	48	41-48	50-55	38-40
	Al ₂ O ₃ + SiO ₂	90	97	90	90	-
	Al ₂ O ₃ + SiO ₂ + ZrO ₂	-	-	-	-	90
	ZrO ₂	-	-	-	-	10-17
	Fe ₂ O ₃	<1.2	<1.0	0.2	0.2	0.2
	H ₂ O + H ₂ 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 customer requirement.