

TASHIKA CERAMIC FIBER PAPER

FEATURES



HIGH LEVEL HEAT RESISTANCE / HEAT INSULATION

It has excellent heat resistance property. It can endure continuous use at temperatures as high as 1,260°C.



CHEMICAL RESISTANCE

It has excellent resistance to chemicals, especially against corrosive acids.



ELECTRIC INSULATION

It possesses good electrical insulation property, low thermal conductivity and low electric loss even at elevated temperatures.



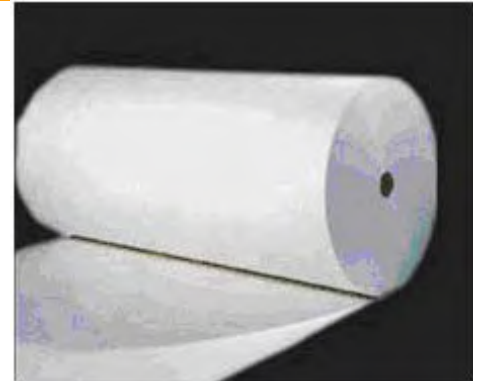
SHAPE SUSTAINABILITY

Its extra long fibers help it retain its shape and mechanical strength even after heat processing or after bending.



GOOD SHOCK ABSORPTION

It possesses adequate elasticity and shock absorbing capacity making it suitable as a buffer or cushion material for high temperature applications.



Ceramic paper roll



Square cut ceramic fiber paper

APPLICATIONS

It has wide range of applications from use as insulation material in domestic heating appliances to various industrial applications such as gasket/packing material for high temperature parts, filling material to allow brick expansion, packing material for thermocouple protection tubes protective material for induction furnace coil and as packing material inside boilers, driers and engines. Chemical resistance, erosion resistance as well as heat resistance makes it ideally suitable for filtering and absorbing gases or liquids in high temperature environment. Due to its shock absorbing characteristics it can be used as a cushion material for filter inside chimney at plants such as thermal power station or garbage processing plants. It is especially suitable for applications that need thin structure high temperature insulation material.



Filter cushion installed inside a chimney



Heat insulation material inside kitchen utensils



Packing inside high temperature machines



Shock absorber for dental die-casting



Insulation inside high temperature furnaces

TECHNICAL SPECIFICATIONS

DESCRIPTION

Tashika ceramic fiber paper is made of extremely fine inorganic fibers of alumina and Silica with a very small amount of organic binder. It is an inert material with excellent heat resistance and heat insulation properties. It can be formed into thin or thick structure paper sheets with thickness ranging from 1~4mm.

BASIC PROPERTIES

Color	White
Temperature resistance (maximum)	1,260°C
Density	0.18~ 0.21 g/m ³
Heat conductivity	At 1,000°C: 0.168 kcal/m · Hr · °C

MATERIAL QUALITY

Type/model	1.0	2.0	3.0	4.0	
Thickness (mm)	1.0~1.2	2.0~2.2	3.0~3.2	4.0~4.2	
Width	Standard, 1,000mm + 30mm for edges				
Weight per square meter (g/m ²)	240	440	590	770	
Density (g/cm ³)	0.20	0.20	0.19	0.18	
Tensile strength at normal temperature (kg/50mm)	Vertical	4.0	5.5	6.5	8.0
	Horizontal	3.5	5.0	6.0	7.5
Tensile strength after 800°C combustion (kg/50mm)	Vertical	0.4	0.9	1.0	1.1
	Horizontal	0.4	0.7	0.9	1.0
Heat shrinkage (%)	5.0				

PACKING INFORMATION

Finished ceramic fiber paper is delivered in the form of roll. It can also be finished in the form of cut square pieces on request, as shown on the front page. Length of ceramic paper per roll is from 50~90 meters, depending on its thickness. Inside diameter of roll core : 76.2mm (3 inches).

DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN AND TECHNICAL SPECIFICATIONS
ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TASHIKA CO., LTD.

1-12, Kaiyo-cho, Ashiya, 659-0035, JAPAN

Tel: + 81-797-23-9035 Fax: + 81-797-23-2105

e-mail: sales@tashika.co.jp URL: www.tashika.co.jp