



Ceramic Fiber Paper

ShreeCera Ceramic fiber paper consists primarily of high purity alumino-silicate fiber and is made through a fiber washing process. This process controls the unwanted content to a very minimal level within the paper. KT ceramic fiber paper features light weight, structure uniformity and low thermal conductivity, which serve as a perfect solution for high temperature insulation, chemical corrosion resistance, and thermal shock resistance. Ceramic fiber paper can be used in various types of refractory and sealing applications and is available with a variety of thicknesses and temperature ratings.

Features:

- Superior insulating properties
- Contains no asbestos
- Contains minimal bonding agent
- White color, easy to cut, wrap or form a shape
- Excellent temperature stability
- Low thermal conductivity
- Low heat storage
- Excellent resilience
- Lightweight
- Excellent thermal shock resistance
- Good dielectric strength
- High tensile strength
- Good Fire resistance

Applications:

- Asbestos paper replacement
- Investment cast mold wrap insulation
- One-time consumable insulating applications
- Back-up lining
- Hot top lining
- Applications where low binder content is required
- Thermal and electrical insulation

ShreeCera Ceramic Fiber Papers are available in 1260°C and 1425°C grades and thickness ranging from 2mm to 10 mm to meet customer requirements.

MAIN PROPERTIES	1260°C	1425°C
CHEMICAL COMPOSITION		
Al ₂ O ₃	40 - 43%	30 - 37%
SiO ₂	53 - 58%	48 - 52%
ZrO ₂	00 - 07%	13 - 18%
Availability and Packaging	1000 mm x 500 mm	1000 mm x 500 mm
PHYSICAL PROPERTIES		
Colour	White	White
Density Kg/m ³	150-250	150-250
Tensile Strength Kg/m ²	>30000	>30000
Linear Shrinkage (24 hrs @ 1200°C & 1400°C)	3% Max	5% Max
Loss on Ignition	10% Max	
THERMAL CONDUCTIVITY AT MEAN TEMPERATURE OF (W/m.K)		
200 °C	0.07	0.06
400 °C	0.10	0.09
600 °C	0.14	0.13
800 °C	0.18	0.17
1000 °C	0.22	0.21
1200 °C	—	0.25