

Ceramic Fiber Paper

Skyline Components supplied ceramic fiber paper is made of aluminum silicate ceramic fibers with a small amount of organic binders. Its surface is smooth and can be easily cut into any shape. The binders will burn off at high temperature. The ceramic fiber paper can be used in oven, furnace, and stove as thermal and electrical insulation materials. It can also be used as the shield for welding and brazing operation.



Characteristics

- o Low thermal conductivity
- o Low heat storage
- o Excellent thermal stability
- o Excellent sound absorption
- o Thermal shock resistance
- o Excellent corrosion resistance
- o White color, smooth appearance, and lightweight
- o Good flexibility, easy to wrap, shape, and cut



Specifications

Type		P12	P14
Classification Temperature		1260°C/2300°F	1430°C/2600°F
Density		200 kg/m ³ 12 lb/ft ³	240 kg/m ³ 15 lb/ft ³
Organic Content		≤ 10%	≤ 5%
Thermal conductivity (W/m/K)	200°C	0.055-0.065	0.060-0.070
	400°C	0.110-0.120	0.105-0.125
	600°C	0.160-0.170	0.170-0.180
Tensile strength (MPa)		≥ 0.3	≥ 0.7
Shrinkage on Heating		≤ 3% (1800°F for 24 hours)	≤ 3% (2300°F for 24 hours)