

CCEWOOL® PUREWOOL® Ceramic Fiber Paper for Fabrication



Classification Temperature: 1260°C (2300°F),
1430°C (2600°F)

Chemical Composition: Alumina, Silica, (Zirconia)
CCEWOOL® PUREWOOL® Ceramic Fiber Paper for Fabrication is an engineering-grade ceramic fiber paper developed for high-temperature insulation and precision Fabrication applications. It is made from high-purity aluminosilicate ceramic fiber using a multi-stage shot-removal process and precision wet-forming technology, resulting in a more uniform fiber structure, lower shot content, stable thermal insulation performance, and

excellent processing adaptability.

Compared with conventional industrial ceramic fiber paper, the CCEWOOL® PUREWOOL® series is further optimized in raw material purity, fiber uniformity, and structural consistency. It offers good flexibility and excellent surface flatness, making it particularly suitable for precision Fabrication applications such as die-cut gaskets, multilayer laminates, roll processing, and structural seals.

CCEWOOL® PUREWOOL® Ceramic Fiber Paper also features low thermal conductivity, low heat capacity, good electrical insulation, and resistance to molten metal penetration. It is suitable for high-temperature sealing, insulation gaskets, electrical insulation, and equipment protection.

To meet different equipment and system design requirements, CCEWOOL® can provide Fabrication customization according to customer drawings and process requirements, including customized thicknesses, dimensions, and die-cut shapes.

Characteristics:

Low thermal conductivity and low heat capacity;

Uniform fiber structure and low shot content;

Excellent electrical insulation;

Good flexibility and tear resistance;

Flat surface suitable for precision die cutting;
Excellent Fabrication performance;
Good resistance to molten metal penetration;
Suitable for high-temperature sealing and insulation structures.

Applications:

High-temperature sealing and insulation gaskets;
Thermal protection systems for automotive and aerospace applications;
Insulation gaskets for household appliances such as ovens and water heaters;
Automotive acoustic and thermal insulation structures;
Investment casting mold wrapping and separation gaskets;
Thermal insulation wrapping for ladles and steel structures;
High-temperature expansion joint filling;
Electrical and thermal insulation for heating elements and electrical equipment.

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CCEWOOL® PUREWOOL® Ceramic Fiber Paper for Fabrication		
Item	1260(2300°F)	1430(2600°F)
Operation Temperature	1100°C(2012°F)	1350°C(2462°F)
Density (kg/m3)	200	
Tensile Strength (MPa)	0.4	0.7
Color	White	White
Lose on ignition (%)	≤9	≤6
Chemical Composition (%)		
Al2O3	≥44	≥35
SiO2	≥55	≥49
ZrO2	-	≥15
Thermal Conductivity (w/m.k)		
200°C (392°F)	0.06	0.06
400°C (752°F)	0.09	0.08

	600°C (1112 °F)	0.13	0.13
	800°C (1472°F)	0.19	0.18
	1000°C (1832°F)	-	0.29
	1200°C (2192°F)	-	0.43
Specification (MM)	60000×610×1 (200'×24"×1/24") 30000×610×2 (100'×24"×1/12")		
	20000×610×3 (66'×24"×1/8") 15000×610×4 (50'×24"×1/6")		
	12000×610×5 (40'×24"×1/5") 10000×610×6 (33'×24"×1/4")		
	Min Width: 5cm (2")		
Package	Inner Plastic Bag +Outer Carton		