CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® PUREWOOL® RCF Paper for Fabrication

Temperature Grades 1260°C (2300°F) and 1430°C (2600°F)

CCEWOOL® PUREWOOL® RCF Paper for Fabrication is an advanced refractory ceramic fiber paper developed for high-temperature insulation and precision Fabrication applications. The product is manufactured from high-purity aluminosilicate ceramic fibers using a multi-stage shot removal process combined with a precision wet-forming technique. This manufacturing process produces a uniform fiber structure with extremely low shot content, ensuring stable insulation performance and excellent processability in high-temperature environments.

This product belongs to the Refractory Ceramic Fiber Paper category. Compared with standard industrial ceramic fiber paper, it features higher raw material purity and improved structural uniformity, providing greater consistency and reliability in high-temperature operating conditions. The material offers excellent flexibility and surface smoothness, making it particularly suitable for Fabrication-intensive applications, including die-cut gaskets, laminated insulation materials, roll processing, and engineered sealing components.

CCEWOOL® PUREWOOL® RCF Paper for Fabrication also features low thermal conductivity and low heat storage, helping reduce heat transfer and improve the thermal efficiency of equipment. In addition, the material provides excellent electrical insulation properties and strong resistance to molten metal penetration, making it widely used in high-temperature sealing, insulation gaskets, electrical insulation, and equipment protection applications.

To meet the design requirements of different industrial systems, CCEWOOL® also provides Fabrication customization services, including custom thicknesses, dimensions, and die-cut shapes. This enables the material to be directly integrated into customers’ Fabrication processes for high-temperature equipment and engineered insulation systems.

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Characteristics:

Low thermal conductivity and low heat storage;

Uniform fiber structure with minimal shot content;

Excellent electrical insulation performance;

High flexibility and tear resistance;

Smooth surface suitable for precision die-cutting;

Excellent Fabrication and secondary processing capability;

Good resistance to molten metal penetration;

Suitable for high-temperature sealing and insulation structures.

Applications:

High-temperature sealing and insulation gaskets;

Automotive and aerospace heat shield systems;

Household appliance insulation gaskets (ovens, water heaters, etc.);

Automotive acoustic and thermal insulation components;

Investment casting mold wrapping and separation gaskets;

Thermal insulation wrapping for steel ladles and structural components;

High-temperature expansion joint filling materials;

Electrical insulation materials for heating elements and electrical equipment.

TDS：

CCEWOOL® PUREWOOL® RCF Paper for Fabrication		
Item	1260(2300℉)	1430(2600℉)
Operation Temperature	1100℃(2012℉)	1350℃(2462℉)
Density (kg/m3)	200	
Tensile Strength (MPa)	0.4	0.7
Color	White	White
Lose on ignition (%)	≤9	≤6
Chemical Composition (%)		

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Al2O3	≥44	≥35
SiO2	≥55	≥49
ZrO2	-	≥15
Thermal Conductivity (w/m.k)		
200℃ (392℉)	0.06	0.06
400℃ (752℉)	0.09	0.08
600℃ (1112 ℉)	0.13	0.13
800℃ (1472℉)	0.19	0.18
1000℃ (1832℉)	-	0.29
1200℃ (2192℉)	-	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	