

CCEWOOL Ceramic Fiber Friction Bulk



Temperature Grades: 1260°C (2300°F)

CCEWOOL Ceramic Friction Fiber is a composite material made from ceramic fibers and specialized binders, engineered to enhance strength, stability, and friction performance. It is produced by mixing ceramic fibers with organic and inorganic binders, followed by molding, forming, curing, and sintering. The result is a durable material capable of withstanding extremely high temperatures and pressures

without loss of performance.

Thanks to its superior friction stability, wear resistance, and low dust emission, it is widely used in braking systems, clutches, and other industrial friction applications.

Characteristics:

High Heat Resistance: Operates reliably up to 1200°C, ideal for high-temperature applications.

Low Wear Rate: Excellent abrasion resistance ensures durability under demanding conditions.

Low Noise: Operates quietly with minimal vibration, making it suitable for noise-sensitive environments.

Low Dust Emission: Designed to generate minimal dust during operation, reducing exposure to harmful particles.

High Chemical Resistance: Performs effectively in corrosive environments, maintaining stability and longevity.

Application:

Automotive Brakes: Widely used in automotive braking systems for its smooth operation, low noise, and superior wear resistance compared to conventional materials.

Industrial Clutches: Highly valued for its heat resistance and friction stability, reducing slippage during heavy-duty industrial operations.

Construction and Heavy Equipment: Applied in cranes, excavators, and other machinery that demand high

load-bearing and stress resistance under extreme conditions.

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CCEWOOL Ceramic Fiber Friction Bulk	
Classification Temperature (°C)	1260
Operation Temp(°C)	≥1000
Fiber Diameter(μm)	2-4
Chemical Composition(%)	
Al ₂ O ₃	≥45
SiO ₂ +Al ₂ O ₃	≥97
ZrO ₂	-
Color	white or grayish-white
Shot Content(%)	≤3
Packing	Braided Bag