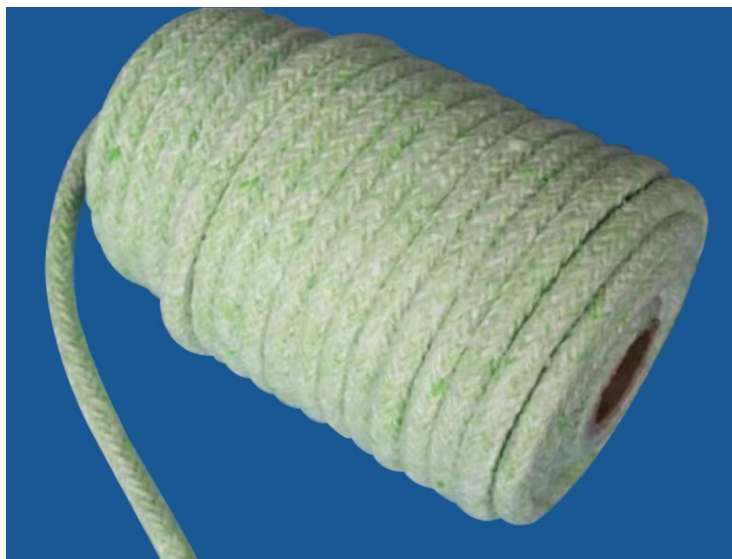


## CCEWOOL® Bio Soluble Fiber Rope



Classification Temperature: 1200°C (2192°F)

Chemical Composition: Silicon, Calcium, Magnesium (AES)

CCEWOOL® Bio Soluble Fiber Rope is a high-temperature sealing and insulation product made from our own alkaline earth silicate (AES) fibers. It is designed for sealing, cushioning, and thermal protection under long-term high-temperature service. The product is available in Twisted Rope, Round Rope, and Square Rope to suit different sealing grooves, gaps, and installation conditions.

Each rope can be internally reinforced with fiberglass or stainless steel wire, helping maintain good tensile strength and structural integrity under high temperatures, vibration, and mechanical compression while reducing the risk of breakage or loosening during service.

CCEWOOL® Bio Soluble Fiber Rope combines high-temperature resistance, mechanical stability, and improved handling safety. Its flexible and compressible structure allows it to form a continuous sealing and insulation layer around furnace doors, access openings, pipeline connections, burner areas, and hot-air systems, helping reduce heat loss, air infiltration, and structural wear.

### Characteristics:

- Low thermal conductivity;
- Excellent thermal shock resistance and thermal stability;
- Excellent tensile strength;
- Easy to cut and install;
- Excellent flexibility;
- Good chemical corrosion resistance;
- Easy installation;
- Excellent durability.

### Applications:

Furnace door sealing and expansion joint filling;

High-temperature gaskets and packing;

High-temperature sealing for furnace burners, pipelines, and valves;

Boiler and oven insulation;

Exhaust system seals;

Industrial oven and furnace maintenance;

Fire-resistant sealing for energy storage equipment and battery enclosures;

Edge sealing for fire doors, fire curtains, and fire walls.

### TDS

| CCEWOOL® Bio Soluble Fiber Rope        |                    |                 |                     |                 |              |                 |              |
|----------------------------------------|--------------------|-----------------|---------------------|-----------------|--------------|-----------------|--------------|
| Description                            | Round Braided Rope |                 | Square Braided Rope |                 | Twisted Rope |                 | Woolen Rope  |
| Reinforcement                          | Glass Fiber        | Stainless Steel | Glass Fiber         | Stainless Steel | Glass Fiber  | Stainless Steel | Glass Fiber  |
| Continuous Temperature Use Limit (°C ) | 650                | 1000            | 650                 | 1000            | 650          | 1000            | 650          |
| Color                                  | Light Bluish       |                 | Light Bluish        |                 | Light Bluish |                 | Light Bluish |
| Density (kg/m³)                        | 550-600            |                 | 550-600             |                 | 550-600      |                 | 550-600      |
| Organic Content (%)                    | ≤18                |                 | ≤18                 |                 | ≤18          |                 | ≤18          |