

## CERAMIC FIBER PAPER

Ceramic fiber paper is made of selected aluminum silicate ceramic fiber cotton as the main raw material by wet forming process. The slag removal and drying process is improved on the basis of the traditional process, which is characterized by no asbestos, uniform fiber distribution, white color, no stratification, less slag balls (four times of centrifugal slag removal), flexible adjustment of bulk density according to the application, and high strength (including reinforcing fibers), good elasticity and strong machinability. Due to different use temperatures, it is divided into four materials, standard, high-aluminum, zirconium-containing ceramic fiber paper (236refractory backups, industrial cushioning etc.ceramic, metallurgy, oil and energy industries.

**TITAN**  
THERMAL INSULATION



### ITEM ID

#### TIP-STD

Standard Purity

#### TIP-HA

High Aluminum

#### TIP-SZ

Standard ZrO<sub>2</sub>

Classification Temperature (°C)

1260

1350

1430

Recommended Working Temperature (°C)

1050

1200

1350

Density (Kg/m<sup>3</sup>)

170-220

Water Content (%)

≤2

≤2

≤2

Loss On Ignition (%)

≤10

≤8

≤8

Tensile Strength (MPa)

≥0.3

≥0.3

≥0.3

Al<sub>2</sub>O<sub>3</sub>

≥43

≥52

≥38

Al<sub>2</sub>O<sub>3</sub> + SiO<sub>2</sub>

≥98.5

≥99

≥83

Al<sub>2</sub>O<sub>3</sub> + SiO<sub>2</sub> + ZrO<sub>2</sub>

N/A

N/A

≥99

ZrO<sub>2</sub>

N/A

N/A

≥15

Sizes

Thickness: 1mm-10mm Width: 610mm/1220mm



### PRODUCT CHARACTERISTICS

- High strength and tear resistance
- High flexibility
- Low shot content
- Precise thickness
- Good thermal shock resistance
- Low thermal conductivity



### Typical Applications

- Electrical thermal insulation
- High thermal gaskets making
- Battery thermal insulation
- Other sealing applications