

CCEWOOL® Research series expandable Ceramic Fiber Paper

Description:

CCEWOOL® Research series expandable ceramic fiber paper is produced from a mixture of high purity ceramic fiber, natural graphite fine flakes, and organic binders through a fiber washing process. At about 1200°F (649 °C) , the paper expands up to maximum of 400% of its thickness. This feature serves as excellent material for gasket and sealing applications.

Characteristics:

- Low thermal capacity
- Low thermal conductivity
- Excellent electrical insulation properties
- Excellent machining performance
- High strength, tear resistance
- High flexibility
- Low shot content

Application:

- High temperature gasket and seals
- Expansion joints insulation material
- Fire proof
- Seals for industrial furnaces

Technical data and Size:

Physical Properties	
Color	Gray
Maximum temperature rating °C	1260
Continuous use limit °C	1150
Melting point °C	1700
Chemical Content	
Silica, SiO ₂	45-48
Alumina Oxide, Al ₂ O ₃	42
Carbon, C	10-15
Other	2
Organic Binder	5-10
Tensile Strength	
16-18 pcf. density	0.5-0.7 MPa
Expansion, % increase	
@400°F	90(from 3mm thickness)
@1800°F	420(from 3mm thickness)
@1800°F	320(from 3mm thickness)
Sizes Available	
	610/1220mm
Thickness	
	2-5mm