

# CERAMIC FIBER TEXTILES

Ceramic fiber textiles include twisted ropes, (round or square), braided ropes, cloth, sleeves, tapes. They are made out of ceramic fiber yarns possessing the same thermal insulation capabilities of other ceramic fiber products. They are widely used as thermal sealing materials. They are usually reinforced with fiberglass or stainless steel filaments to improve its tensile strength.



ITEM	Cloth		Tape		Yarn	
	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel
Reinforcement						
Continuous Temperature Use Limit (°C )	650	1000	650	1000	650	1000
Color	White		White		White	
Density (kg/m <sup>3</sup> )	500		500-550		-	
Organic Content (%)	≤15		≤15		≤15	

ITEM	Round Braided Rope		Square Braided Rope		Twisted Rope		Woolen Rope
	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber	Stainless Steel	Glass Fiber
Reinforcement							
Continuous Temperature Use Limit (°C )	650	1000	650	1000	650	1000	650
Color	White		White		White		White
Density (kg/m <sup>3</sup> )	500		500		500		380
Organic Content (%)	≤15		≤15		≤15		≤15

## PRODUCT CHARACTERISTICS

- High strength and tear resistance
- High flexibility
- Low shot content
- Good sealing capabilities
- High density
- Low thermal conductivity

## Typical Applications

- Piping thermal insulation
- Industrial kiln door sealing
- Electrical sealing
- Other sealing applications