

Ceramic Fiber Textile



Datasheet Code 5-5-01 E

MSDS Code 104-9-EURO REACH

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DESCRIPTION

Cloth/Tape are woven from ceramic fiber yarn and reinforced with Fiberglass/SS wire.

They are resilient, high temperature resistant and possess excellent chemical stability

Burning of the 20% organic carrier contained by the sleeve happens at 400°C leading to smoke and out gassing.

TYPE

High Temperature refractory fiber cloth and tapes

CLASSIFICATION TEMPERATURE 1260 °C

- 1) Cloth
- 2) Tape

AVAILABILITY

Standard sizes

Cloth

3mm thick X 1 m Width X 10 m length

Tapes

3mm thick X 50 mm Width X 25 m length

FEATURES

- High temperature stability
- Thermal shock resistance
- Low heat storage
- Good chemical stability

APPLICATIONS

- Furnace doors and radiant tube seals
- Blast furnace stove expansion joint
- Coke oven ascension pipe seal, preventing fume emission on exhaust collection system
- Coke oven door seal preventing gas leakage between refractory and door jamb.
- Piping insulation
- Hot top seal
- Welding curtains
- Insulation between anode buss and box
- Asbestos free and ideal replacement for asbestos cloth products

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MAJOR PROPERTIES

Physical Properties	Cloth	Tape
Classification temperature °C	1260	1260
Chemical Composition (%)		
Al ₂ O ₃	42 – 46	42 – 46
SiO ₂	54 – 58	54 – 58
Loss on ignition (%)	<25	<25
Weight (kg/m ²)	1.0	1.0
Availability and Packing (Thickness 2mm to 6mm)		
Width (mm)		
25	-	X
50	-	X
75	-	X
100	-	X
125	-	X
1000	X	-

Cloth & Tapes of other sizes (width) are available on request

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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