

Ceramitex® WT5120s is a woven tape of refractory ceramic fiber based on aluminum silicate. With a reinforcing agent (high-temperature fiberglass) and a 316ss stainless steel yarn, the fiber is used to manufacture industrial textiles: fabrics, tapes, twisted cords, and braided cords. Ceramitex® Ri withstands temperatures up to 1,260°C.

It is a lightweight material with very low thermal conductivity. It provides excellent thermal protection in high-temperature applications, as well as resistance to commonly used corrosive chemicals such as alkalis and acids.

Ceramitex® WT5120s offers excellent performance in:

- **Excellent thermal stability:** Low thermal conductivity and low heat storage capacity.
- **Chemical resistance:** Excellent resistance to most corrosive agents (except hydrofluoric and phosphoric acids and concentrated alkalis).
- **Mechanical Resistance:** 316SS stainless steel offers superior corrosion resistance compared to Inconel steel in certain industrial environments.

Ceramitex® WT5120s offers excellent performance in:

- **Pipe Insulation:** High-pressure steam wraps.
- **Furnace Curtains:** Protection against molten metal splashes and radiant heat.
- **Expansion Joints:** Manufacturing of textile gaskets to compensate for thermal movement.
- **Cable Protection:** Heat shields for hydraulic hoses and critical wiring.

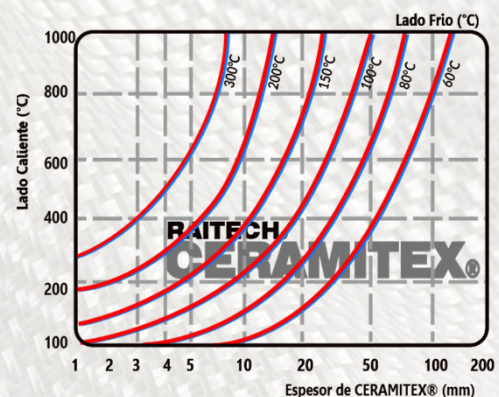


**TECHNICAL DATA:**

Properties:	CERAMITEX® WT-5120s	Tape
Composition:	CERAMITEX® Ri Fiber (Ceramic fiber w/ Inorganic carrier reinforced with Inconel)	
Temperature, Max:	2,300	°F
Temperature, Continuous:	1,832	°F
Shrinking @ 1796°F, 3hr:	4-6	%
Ignition, Weight loss @ 1796°F:	6-8	%
Tensile strength, µ:	2-6	
Availability:	<b>CERAMITEX® WT-5120s</b>	
Shape:	Flat Tape	
Thickness / Width / Length:	1/16" / 39.4" / 98 ft 1/8" / 39.4" / 98 ft	

\*\*Tolerancia en medidas ±10%    \*\*Tolerancia en largo: ±5%

Capacidad de Aislamiento



Composición Química:  
 Al<sub>2</sub>O<sub>3</sub> y SiO<sub>2</sub> Total: >97% (Al<sub>2</sub>O<sub>3</sub>:47%)  
 Fe<sub>2</sub>O<sub>3</sub>:<1.1%