

Ceramitex[®] WT-5120 is a woven tape of refractory ceramic fiber based on aluminum silicate. With a reinforcing agent (high-temperature fiberglass), the fiber is used to manufacture industrial textiles: fabrics, tapes, twisted cords, and braided cords. Ceramitex[®] R 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[®] WT-5120 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[®] WT5120 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.



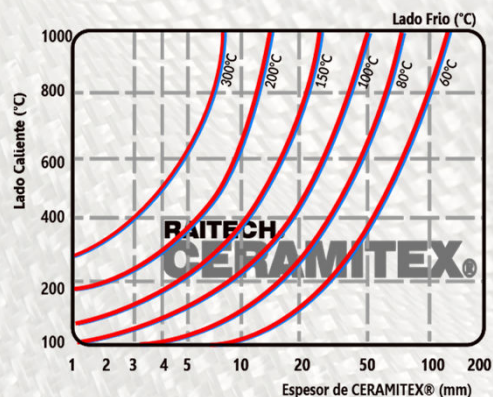
TECHNICAL DATA:

Properties:	CERAMITEX [®] WT-5120	Tape
Composition:	CERAMITEX [®] R Fiber (Ceramic fiber w/ Inorganic carrier)	
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:	CERAMITEX [®] WT-5120	
Shape:	Flat Tape	
Thickness / Width / Length:	"1/16" / 1" / 30 mt 1/16" / 1-1/2" / 30 mt 1/16" / 2" / 30 mt 1/16" / 3" / 30 mt 1/8" / 1" / 30 mt 1/8" / 1-1/2" / 30 mt 1/8" / 2" / 30 mt 1/8" / 3" / 30 mt	

**Tolerancia en medidas $\pm 10\%$

**Tolerancia en largo: $\pm 5\%$

Capacidad de Aislamiento



Composición Química:
 Al₂O₃ y SiO₂ Total: >97% (Al₂O₃:47%)
 Fe₂O₃:<1.1%