



Available with aluminum foil under our style **P-1200AL**

Ceramic fiber paper for high temperature applications.

CERAMITEX® P-1200 is a nonwoven textile made from aluminosilicate ceramic fiber. It is manufactured through a special papermaking process using high-purity washed fibers, suitable for high-temperature insulation up to 1,260°C (2,300°F).

Main Features and Properties

- White, lightweight, flexible, good handling resistance.
- Withstands temperatures up to 1,260°C (2,300°F), fire resistant.**
- Low thermal conductivity, resistant to thermal shock.
- Good dielectric strength.
- Excellent corrosion resistance (resistant to most chemicals, except hydrofluoric and phosphoric acids and concentrated alkalis).
- Suitable for die-cutting and automated embossing.

Product Applications

- Insulation, lining, and gaskets for furnaces, ovens, stoves, boilers, and appliances. High-temperature pipe insulation or metal casting.
- Aerospace insulation, protection, and shielding.
- Thermal insulation, gaskets, seals, and separators for ceramic and glass casting applications.
- Protection against fire, sparks, and molten metal.
- High-temperature electrical insulation.
- High-temperature filtration.
- Seals, gaskets, or protection for other high-temperature applications.

TECHNICAL DATA:

Properties:	CERAMITEX® P-1200 Sheet
Composition:	CERAMITEX® S Ceramic Fiber
Chemical Composition:	Al ² O ₃ y SiO ₂ Total: >97% (Al ² O ₃ :47%) Fe ² O ₃ :<1.1%
Temperature, Max:	2,300 °F (peak)
Temperature, Continuous:	1,832 °F
Shrinking @ 1796°F, 3hr:	3.5 %
Bursting Strength:	25 psi
Tensile Strength:	102 psi
Ignition, Weight loss @ 1796°F:	8-10 %
Tensile strength, μ:	2-6
Availability:	CERAMITEX® P-1200 Roll
Shape:	Flat - Non Woven
Density:	12 lbs/ft ³
Thermal conductivity, ASTM C201:	BTU * in./hr * ft ² * °F @ 500°F 0.38k (0.05 W/mK) @ 1000°F 0.61k (0.09 W/mK) @ 1500°F 0.94k (0.14 W/mK) @ 2000°F 1.40k (0.20 W/mK)
Thickness / Width / Length:	1/32" / 24" / 200 ft 1/32" / 48" / 200 ft 1/16" / 24" / 100 ft 1/16" / 48" / 100 ft 1/8" / 48" / 66 ft 1/4" / 48" / 33 ft
Tolerances:	±10 %
Notes:	** This product contains an organic binder that burns at high temperatures (+200°C). Smoke/degassing may occur during this degradation, but the physical properties of the product remain unchanged.

****Measurement tolerance: ±10%** **Length tolerance: ±5%****

Capacidad de Aislamiento

