



TECHNICAL DATASHEET

PA AEROSHEET is an inorganic, thin-profile, flexible composite for best-in-class thermal insulation performance at ultra high temperatures. PA AEROSHEET is suitable for operating temperatures of up to 1300°C (2372°F) and does not burn, smoke or cause flame spread. Due to its extremely low thermal conductivity, PA AEROSHEET is considerably thinner than competing insulation materials. It is the optimal solution for ultra high temperature applications that require a thin profile with maximum thermal insulation performance and enhanced fire resistance. PA AEROSHEET is available in rolls with thicknesses of 0.5mm to 3mm.

TECHNICAL INFORMATION

Description	Inorganic Aerogel Composite	
Color	White	
Maximum Operating Temperature	1300°C (2372°F)	
Shrinkage (24 hours @ 1200°C) 4	%	
Thermal Conductivity (ASTM C177)	0.035 W/mK @ 20°C	0.05 W/mK @ 200°C
	0.065 W/mK @ 400°C	0.1 W/mK @ 600°C
Flexibility F	flexible. Bends around ½ inch radius. Creases without breaking.	
Density	180 kg/m ³ (11 lb/ft ³)	
Tensile Strength (kPa) >	60	
Standard Thicknesses (mm) 0	.5, 1.0, 2.0, 3.0	

KEY PERFORMANCE ADVANTAGES

- Optimized thermal conductivity in high-temperature service.
- Extreme operating temperature range up to 1300°C/2372°F.
- Highly flexible and suitable for wrapping. Will not crack, sag or settle in high temperature applications.
- May be removed for inspection and re-wrapped with no loss of performance.
- Addresses tight, hard to fit insulation spaces with excellent thermal efficiency.
- Fire resistant with no smoke or flame spread.

APPEARANCE

