

**Style GMC-T-529
Needled Silica Mat**

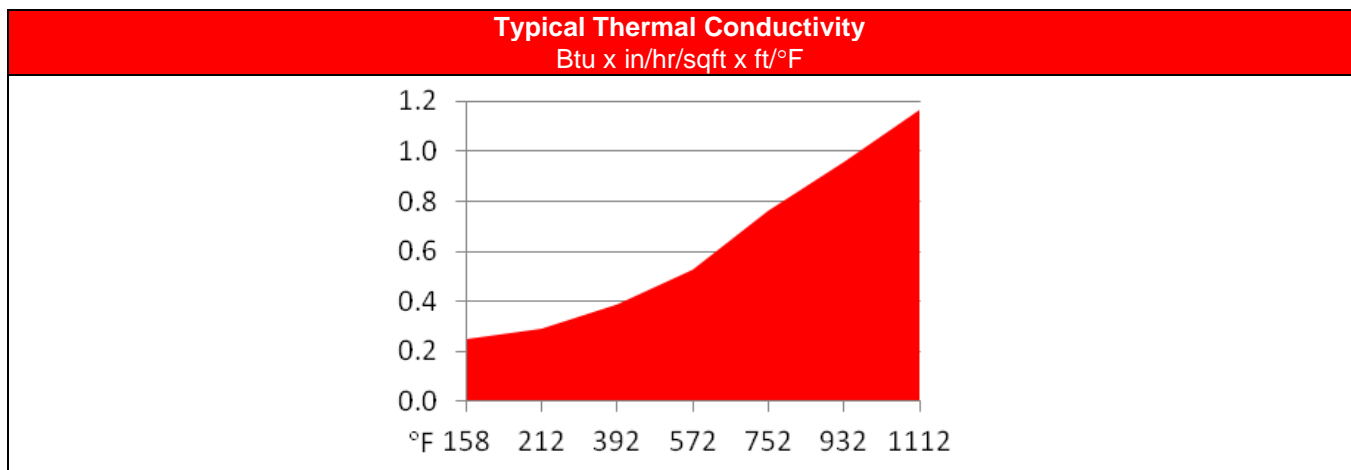
Needled Silica mat provides thermal protection to temperatures up to 1000°C (1832°F).

Common applications:

- Exhaust Insulation – Aircraft, Automotive, Marine, Gas Turbine
- Thermal Insulation – Piping for Power, Petrochem, Metal Processing
- Industrial Insulation - Removable pads, Expansion Joints
- Acoustical Insulation

Typical Properties

Nominal Thickness	1/4-in (6-mm)	1/2-in (12-mm)	1-in (25-mm)
Available Widths, standard	60-in	60-in	60-in
Roll Length	150-ft	75-ft	45-ft
Area, per roll	750-sf	375-sf	225-sf
Density (Weight), average	9 to 10-pcf	9 to 10-pcf	10 to 11-pcf
Thickness Tolerance, Typical	±1-mm	±1-mm	+2-mm / -3-mm
Base Product	Silica Fiber >94% SiO ²		
Fiber Diameter	5 to 10 μm		
Fiber Length	>=50-mm (2-inch)		
Color/Appearance	White		
Construction	Needled random fiber orientation		
Temperature Tolerance	1000°C (1832°F); 1100°C (2012°F) for brief periods		
Weight Loss at 1000°C (1832°F) 4-hrs	Maximum 12%		
Shrinkage at 1000°C (1832°F) 4-hrs	Maximum 7%		



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