



Mid-Mountain Materials

THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

CERMEX[®] MT1600 THERMAL INSULATION MAT

CERMEX[®] MT1600 is a non-woven insulation mat for use in high temperature thermal applications up to 1600°F / 871°C. The fibers are mechanically bonded and contain no additional resins or adhesives. The structure of the material allows for conformability to irregular surfaces and is easily cut and fabricated to intricate configurations. Typical applications include thermal insulations, engine exhaust systems, engine heat component heat shields, industrial furnaces, and turbine insulation.

PHYSICAL CHEMISTRY

Material	Mineral Fiber
Construction	Needled Blanket
Filament Diameter, micron	9

AVERAGE PHYSICAL PROPERTIES

Temperature Limit, °F • °C	
Continuous Use	1600 • 871
Density, lb./cu.ft.	12 (+/- 1.5)
Thickness, inches, nominal	1/4, 1/2, 3/4, 1
Density, lbs/cu ft	6, 9, 12
Width, inches, nominal	40, 60
Roll length, ft.	Various
Shot Content, %	None
Linear Shrinkage, % @ 1500°F	< 5 overall
Thermal Conductivity, BTU-in./ht./sq.ft./°F	500°F = 0.50
	1000°F = 1.07
	1200°F = 1.42
	1600°F = 2.33

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.