Mid-Mountain Materials
INCORPORATED

ENVIRONMENTAL
PROTECTION PRODUCTS
AND THERMAL BARRIERS
For A Green World

CERMEX® PR2200-SW CERAMIC FIBER PAPER

CERMEX® PR2200-SW CERAMIC FIBER PAPER is a high performance, ceramic fiber insulating material with high strength properties and low thermal conductivity. With low organic binder content, CERMEX® PR2200-SW has very low off-gassing, provides excellent thermal stability, and has high resistance to chemical attack.

AVERAGE PHYSICAL PROPERTIES

Material	Alkaline Earth Silicate Wool
Construction	Paper with organic binder
Continuous Use Limit	2102°F • 1150°C
Melting Point	2552°F • 1400°C
Maximum Use Limit	2372°F • 1300°C
Density, lb./ft³ • kg/m³, nominal	11 - 14 • 176 - 224
Tensile Strength, psi •(Mpa), Standard	75 - 100 • (0.52 - 0.69)
Tensile Strength, psi •(Mpa), Fired	5 - 10 • (0.03 - 0.06)
Thermal Conductivity	BTU-in/hr./ft²/°F • W/m•K
500°F • 260°C	0.39 • 0.06
1000°F • 538°C	0.65 • 0.09
1500°F • 816°C	1.02 • 0.15
1800°F • 932°C	-
2000°F • 1093°C	1.52 • 0.22
Typical Chemical Analysis, %	
Alumina, AL_2O_3	trace
Silica, SiO_2	60 -70
Calcium Oxide, CaO	16 - 22
Magnesium Oxide, MgO	12 - 19
Others	<1
Loss on Ignition, %	5 - 10
Thickness, inches • mm	1/16 - 1/8 - 1/4 • 1.575 - 3.175 - 6.25
Widths, inches • cm	12 - 24 - 48 • 30 - 60 - 120 (+/- 5%)

Tolerance is +/- 10% unless otherwise stated. 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. Rev.1.7-29.2020

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