Mid-Mountain Materials
INCORPORATED

THE FINAL BARRIER
AGAINST ABRASION,
CHEMICALS AND HEAT

CERMEX® BK2200SW NEEDLED BLANKET



CERMEX® BK2200SW BLANKET is a low biopersistence blanket that has excellent thermal stabilty, low heat storage, and is immune to thermal shock. CERMEX® BK2200SW has excellent non-wetting properties with molten aluminum, and is resistant to most chemicals, with the exception of hydro-fluouric acid, strong alkalies, and phosphoric acid.

AVERAGE PHYSICAL PROPERTIES

Material	Alkaline Earth Silicate Wool	
Construction	Needled and felted blanket/mat	
Thickness, inches • mm	.250, .500. 1.00, 2.00 • 6.35, 12.75, 25, 50	
Use Limit, continuous	2102°F • 1150°C	
Linear Shrinkage, %, 24 hours	<2 @ 1260°F • 682°C	
Density, lbs/ft³ • kg/m³	4, 6, 8, 10 • 64, 96, 128, 160	
Thermal Conductivity, BTU-in/hr/sf • (w/m•K)	6 lbs/ft³ • 96 kg/m³	8 lbs/ft• 128 kg/m³
@ 392°F •200°C	0.347 • 0.05	0.277 • 0.04
@ 752°F • 400°C	0.693 • 0.10	0.555 • 0.08
@ 1112°F • 600°C	1.32 • 0.19	0.971 • 0.14
@ 1472°F • 800°C	2.22 • 0.32	1.59 • 0.23
@ 1832°F • 1000°C	3.33 • 0.48	2.36 • 0.34
@ 2192°F • 1200°C	4.78 • 0.69	3.33 • 0.48
Chemical Analysis, %		
Silica, SiO_2	70 - 80	
Calcium Oxide, CaO + Magnesium Oxide, MgO	18 - 25	
Other	<3	
Width, inches • mm	24, 48 • 609, 1219	

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.

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