



# ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

## CERMEX® BK2300SW NEEDED BLANKET

CERMEX® BK2300SW BLANKET is a low biopersistence blanket that has excellent thermal stability, low heat storage, and is immune to thermal shock. CERMEX® BK2300SW has excellent non-wetting properties with molten aluminum, and is resistant to most chemicals, with the exception of hydrofluoric 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	2372°F • 1300°C
Linear Shrinkage, %, 24 hours	<2 @ 1260°F • 682°C
Density, lbs/ft <sup>3</sup> • kg/m <sup>3</sup>	4, 6, 8, 10 • 64, 96, 128, 160
Thermal Conductivity, BTU-in/hr/sf • (w/m•K)	8 lbs/ft • 128 kg/m <sup>3</sup>
@ 500°F • 260°C	0.35 • 0.04
@ 1000°F • 538°C	0.83 • 0.12
@ 1500°F • 816°C	1.66 • 0.24
@ 2000°F • 1093°C	2.77 • 0.40
@ 2192°F • 1200°C	3.33 • 0.48
Tensile Strength, psi • (kPa) for 8 lbs/ft • 128 kg/m <sup>3</sup>	11 • 75
Chemical Analysis, %	
Silica, SiO <sub>2</sub>	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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