



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

CERMEX® BK2100SW NEEDED BLANKET

CERMEX® BK2100SW BLANKET is a low biopersistence blanket that has excellent thermal stability, low heat storage, and is immune to thermal shock. CERMEX® BK2100SW 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, 1.50, 2.00 • 6.35, 12.75, 25, 38, 50
Use Limit, continuous	2192°F • 1200°C
Linear Shrinkage, %, 24 hours	<1 @ 1800°F • 982°C
Density, lbs/ft ³ • kg/m ³	4, 6, 8, 10 • 64, 96, 128, 160
Thermal Conductivity, BTU-in/hr/sf • (w/m•K)	8 lbs/ft • 128 kg/m ³
@ 500°F • 260°C	0.39 • 0.06
@ 1000°F • 538°C	0.73 • 0.11
@ 1500°F • 816°C	1.28 • 0.18
@ 1832°F • 1000°C	1.73 • 0.25
Tensile Strength, psi • (kPa) for 8 lbs/ft • 128 kg/m ³	11 • 75
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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