



ENVIRONMENTAL PROTECTION PRODUCTS AND THERMAL BARRIERS For A Green World

CERMEX® BK2300 NEEDED BLANKET

CERMEX® BK2300 NEEDED BLANKET is a refractory ceramic fiber (RCF) blanket that is needed for added surface integrity and strength. CERMEX® BK2300 NEEDED BLANKET has low heat storage, excellent thermal stability, and is immune to thermal shock in extreme environments. Excellent for use in Hearth, Metals, and Ceramics and Glass industries.



AVERAGE PHYSICAL PROPERTIES

Material	Alkaline Earth Silicate Wool		
Construction	Needled and Felted Blanket/Mat		
Color	White		
Use Limit, continuous	2300°F • 1260°C		
Permanent Linear Shrinkage, %, 24 hours	≤2.5 @ 1832°F • 1000°C		
Density, lbs/ft ³ • kg/m ³	4, 6, 8 • 64, 96, 128		
Thermal Conductivity, BTU-in/sf/hr • (w/m•K)	4 lbs/ft ³ • 64 kg/m ³	6 lbs/ft ³ • 96 kg/m ³	8 lbs/ft ³ • 128 kg/m ³
	@392°F • 200°C	0.485 • 0.07	0.416 • 0.06
	@752°F • 400°C	0.832 • 0.12	0.763 • 0.11
	@1112°F • 600°C	1.387 • 0.20	1.318 • 0.19
	@1472°F • 800°C	2.081 • 0.30	1.595 • 0.23
	@1832°F • 1000°C	2.77 • 0.40	2.22 • 0.32
Tensile Strength, psi • (kPa), lbs/ft ² • kg/m ²	4.35 • 30	7.25 • 50	10.15 • 70
Shot Content, %	≤15		
Chemical Analysis, %			
Alumina, Al ₂ O ₃	≥43		
Silica, SiO ₂	≥54		

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.1.3-23.2022