

Babcock & Wilcox Refractories Division

Product Information

SEPTEMBER 30, 1976

B&W KAOWOOL^R 2600

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BLANKETAVERAGE PROPERTIESGENERAL

B&W Kaowool 2600 fiber, produced from high purity alumina and silica raw materials, extends the use limit of B&W fibers to 2600°F. Kaowool 2600, with a melting point in excess of 3300°F can be used at even higher temperatures for periods of short duration. B&W Kaowool 2600 has fiber lengths up to 8 in. These long fibers, thoroughly interlaced in the manufacturing process, provide Kaowool 2600 blanket, and strip products with unsurpassed strength without the addition of an organic binder system.

Kaowool 2600 blanket, like standard Kaowool blanket has low thermal conductivity, low heat storage capacity and is extremely resistant to thermal shock. Because of its low percentages of iron oxide and titania, Kaowool 2600 blanket can be used in the presence of reducing atmospheres. The completely inorganic composition of Kaowool 2600 blanket means the absence of fumes and offensive odors that could contaminate furnace atmospheres upon firing.

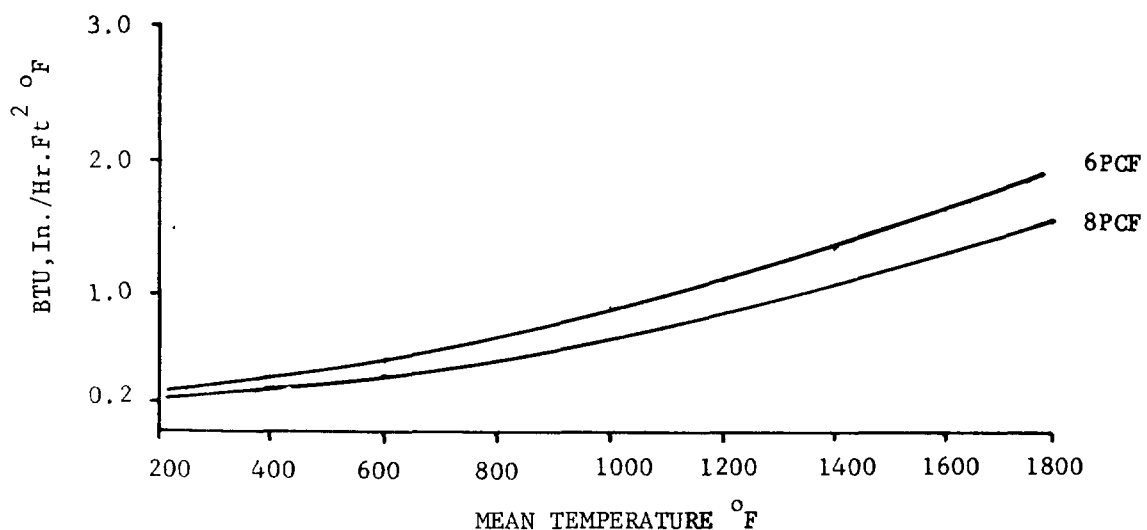
AVAILABILITY

Nominal densities of 6 and 8 lb/ft³
Widths of 2 and 4 ft.
Lengths of 25 ft.

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

B&W KAOWOOL^R 2600BLANKETAVERAGE PROPERTIESPHYSICAL PROPERTIES

Color	white
Fiber diameter, microns (avg)	2.8
Fiber length, inches	up to 4
Specific gravity (ASTM C 135)	
Specific heat, Btu/lb/F	0.255
Fiber tensile strength, psi	1.65×10^5
Fiber tensile modulus, psi	12.2×10^6
Use limits, F	
Continuous	2600
Single application	3000
Melting point, F	3300
Hardness	
MOH	6
Knoop (100g load)	700

THERMAL CONDUCTIVITY - at various densities

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 Supersedes 5 14 - 24 dated January 1, 1976