

### K-Lite™ HTZ Ceramic Fiber Blanket

K-Lite HTZ blankets are made from high purity calcines of alumina, silica and zirconia. The resulting zirconia-stabilized (AZS) product is composed of high strength, low shrinkage fibers needled into a tight blanket with superior handling properties. These blankets have relatively low shot (unfiberized material) content and superior thermal conductivity ("K") values, and high tensile strength. K-Lite HTZ is suitable for use in reducing atmospheres. These fibers exhibit excellent resistance to attack from corrosive agents, except hydrofluoric acid, phosphoric acid, and strong alkalis. K-Lite HTZ is highly flexible and easily cut, fabricated, and installed.



#### **Typical Properties**

Fiber Length	4-7 inches
Fiber Diameter	3.5 microns (average)
Specific Gravity	2.73 g/cc
Specific Heat (@2000°F)	.27 BTU/lb°F
Melting Point	3200°F

#### **Shrinkage**

@ 2200° F soak	2.0%
@ 2400° F soak	2.3%
@ 2600° F soak	3.0%

#### **Typical Chemical Composition**

AL <sub>2</sub> O <sub>3</sub>	29-31%
SiO <sub>2</sub>	53-55%
ZRO <sub>2</sub>	15-17%
Other	trace
Leachable Chlorides	<10ppm

Recommended Operating Temperature  
2450°F

Maximum Use Limit  
2600°F