ETS Schaefer Corporation

TECHNICAL DATA SHEET

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 atmosperes. These fibers exhibit excellent resistance to attack from corrosive agents, except hydrofluoric acid, phosphoric acid, and strong alkalies. 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_2O_3	29-31%
SiO_2	53-55%
ZRO_2	15-17%
Other	trace
Leachable Chlorides	<10ppm

Recommended Operating Temperature
2450°F

Maximum Use Limit
2600°F

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