

K-Lite™ HP Ceramic Fiber Blanket



K-Lite HP blankets are made from high quality spun ceramic fibers. These products are composed of long, high strength fibers needled into a tight blanket with superior handling properties. Due to the unique fiberization process, the blankets have relatively low shot (unfiberized material) content and superior thermal conductivity (“K”) values. K-Lite HP is completely inorganic and available in a choice of blanket thicknesses and densities. K-Lite HP blankets exhibit good resistance to attack from corrosive agents, except hydrofluoric acid, phosphoric acid, and strong alkalis.

Typical Properties

Fiber Length	2-4 inches
Mean Fiber Diameter	3-4 microns
Specific Gravity	2.73 g/cc
Specific Heat (@2000°F)	.27 BTU/lb°F
Melting Point	3200°F

Shrinkage

@ 1800° F soak	1.15%
@ 2000° F soak	1.30%
@ 2300° F soak	2.25%

Typical Chemical Composition

AL ₂ O ₃	44-47%
SiO ₂	53-56%
Other	<.5%
Leachable Chlorides	<10ppm

Recommended Operating Temperature
2250°F

Maximum Use Limit
2400°F