

K-Lite™ RT Ceramic Fiber Blanket

Typical Chemical Composition

AL ₂ O ₃	43-47%
SiO ₂	53-57%
TiO ₂	Trace
Fe ₂ O ₃	Trace
Na ₂ O	<.5%
Alkali	.05%
Leachable Chlorides	<10ppm

K-Lite RT blankets are made from high quality spun ceramic fibers. These products are composed of long, high strength fibers needed 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 RT is completely inorganic and available in a choice of blanket thicknesses and densities. K-Lite RT 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	1.2%
@ 2000° F soak	1.4%
@ 2300° F soak	2.4%



Recommended Operating Temperature
2150°F

Maximum Use Limit
2300°F