Flextech Engineering Inc.
www.flextechseals.com

Product Description
Excellent handling and hot strength. Low heat storage and light weight. Thermal shock resistant, excellent thermal stability, and high heat reflectance. Good sound absorption and excellent corrosion resistance.

K-Lite RT Data Sheet

High Temperature Ceramic Fiber Insulation

Physical Characteristics	
Fiber Lenght	2-4”
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%
Shrinkage @ 2000°F soak	1.4%
Shrinkage @ 2300°F soak	2.4%

Chemical Anaylsis	
Al2O3	43-47%
SiO2	53-57%
Fe2O2	Trace
TiO2	Trace
Na2O	<.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 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 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.

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