

HPS and HTZ ceramic fiber blankets are composed of long, flexible interwoven fibers manufactured by the “spun” process. This yields a strong, lightweight yet durable blanket for applications up to a temperature of 1425°C (2600°F).

Both of these blankets have the heat resistance of a hard refractory with greater insulation value.

## Features

- Low thermal conductivity
- Very low heat storage with high tensile strength
- Provides both thermal shock resistance and sound absorption
- Quick repairs. Should lining damage occur, furnace can be cooled quickly
- Contains no binder, no fumes or furnace atmosphere contamination
- Contains no asbestos
- No curing or dry out time. Lining can be fired to operating temperature immediately

Typical Physical Properties	HPS	HTZ
Max. Use Limit °C ( °F)	1315 (2400)	1425 (2600)
Continuous Use Limit °C ( °F)	1200 (2192)	1325 (2417)
Melting Point °C ( °F)	1760 (3200)	1760 (3200)
Average Fiber Diameter Microns	3.0	3.0
Average Fiber Length mm (in)	203 (8)	203 (8)
<b>Linear Shrinkage (%)</b>		
24 Hrs @ 1000 °C (1832 °F)	-	-
24 Hrs @ 1100 °C (2012 °F)	1.8	-
24 Hrs @ 1300 °C (2372 °F)	-	2.0
<b>Chemical Analysis (%)</b>		
AL2O3	44-50	33-37
SiO2	50-56	47-51
ZrO2		13-19
Fe2O3	0.1-0.2	0.1-0.2
TiO2	0.1-0.2	0.1-0.2



## Typical Applications

### Refining and Petrochemical

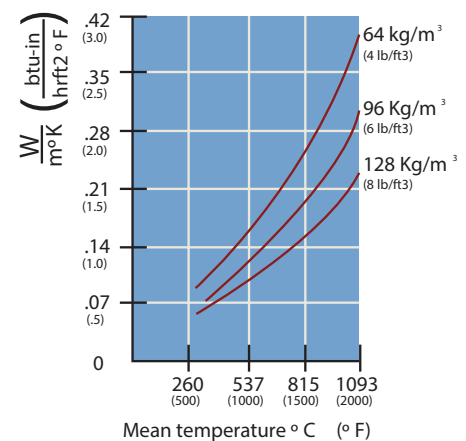
- Reformer and pyrolysis lining
- Tube seals, gaskets and expansion joints
- Crude oil heater linings

### Steel Industry

- Heat treating and annealing furnaces
- Furnace door linings and seals
- Soaking pit covers and seals
- Furnace hot face repairs
- Reheating furnace and ladle covers

### Ceramic Industry

- Kiln car insulation and seals
- Continuous and batch kilns



For more information on GLT Products, please visit us online at [www.gltproducts.com](http://www.gltproducts.com) or call toll-free at 1-800-874-1748.



### HEADQUARTERS:

6810 Cochran Road | Solon OH 44139 | 440.914.1122 | 440.914.1133 Fax | 1.800.874.1748

### DISTRIBUTION CENTERS:

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