

GLT Products HPS ceramic fiber blanket is composed of long, flexible, interwoven fibers manufactured by the "spun" process yielding a strong, lightweight yet durable blanket for applications up to a temperature range of 1315°C (2400°F).

This HPS blanket has the heat resistance of a hard refractory with much better insulation value and the following features:

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

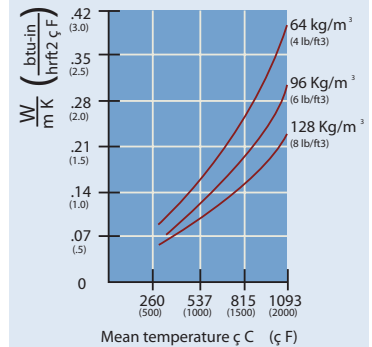
- Kiln car insulation and seals.
- Continuous and batch kilns.

Power Generation

- Boiler insulation.
- Boiler doors.
- Reusable turbine covers.
- Expansion seals pipe covering.
- High temperature pipe, duct and turbine insulation.

Others

- Insulation of commercial dryers and ovens.
- Veneer over existing refractory.
- Stress relieving insulation.
- Glass furnace crown insulation.
- Fire protection.



Features

- Low thermal conductivity.
- Very low heat storage.
- Very high tensile strength.
- Thermal shock resistance.
- 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.

Revised 1112

Typical Physical Properties		HPS
Max. Use Limit.	°C (°F)	1315 (2400)
Continuous Use Limit	°C (°F)	1200 (2102)
Melting Point.	°C (°F)	1760 (3200)
Fiber Diameter	Microns	3.0
Fiber Length.	mm(in)	203 (8)

Linear Shrinkage (%)	HPS
24 Hr @ 1100 C (1832 F)	1.8

Chemical Analysis (%)	
AL ₂ O ₃	44-50
SiO ₂	50-56
ZrO ₂	-
Fe ₂ O ₃	0.1-0.2
TiO ₂	0.1-0.2

Density: 64, 96, & 128 kg/m³
(4, 6, 8 lbs/ft³)

For more information on GLT Products, please call toll-free at 800.874.1748 or online at www.gltproducts.com.



Innovative Insulation Systems

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