

REFRASIL® BULK FIBER

(RBF)

High Temperature Bulk Fiber Insulation



DESCRIPTION – REFRASIL® BULK FIBER (RBF) is a lightweight, high temperature, bulk fiber insulation composed of 100% amorphous silica fiber. It has the following unique physical properties:

- Zero shot content
- Binder free
- Outstanding chemical resistance – especially acid
- Contains no asbestos or refractory ceramic fiber (RCF)
- Excellent sound absorption
- Not water soluble
- Non-respirable

STANDARD PACKAGING

25 lb. (11.3 kg.) containers

FIBER PROPERTIES

Fiber diameter: 6-13 microns

Fiber length: 2" - 4" avg. (50-102 mm)

*Special lengths available upon request.

MAXIMUM RECOMMENDED USE TEMPERATURE

For intermittent use: 2000° F (1090° C)

For continuous use: 1800° F (980° C)

Melting point: 2900°F (1593°C)

THERMAL CONDUCTIVITY (ASTM C177)

Mean Temperature	Btu-in./hr.ft. ² °F	Kcal-m/hr.sq.m °C
500° F (260° C)	0.45	0.054
1000° F (540° C)	0.78	0.094
1500° F (820° C)	1.39	0.166
1800° F (980° C)	1.93	0.231

CHEMICAL ANALYSIS

Silica (SiO ₂)	- > 93.5% min
Alumina (Al ₂ O ₃)	- 4.0%
Others	- < 1.0%

The test data shown are based on average results on production samples and are subject to normal variation on individual tests. Therefore, the above listed data should not be taken as established maximum or minimum specifications. For technical support or specific application information, contact the HITCO Carbon Composites Materials & Fabrication Department at (800) 421-5444, or visit our website at www.hitco.com



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