CERAMIC FIBER MODULE

The following grades of ceramic fiber module offered by Diversified Imports, Inc. are suitable for industrial applications to withstand temperatures of up to 2600°F. The modules are designed to meet or improve the thermal insulation requirements of industry furnaces. They are produced with various anchor systems to enable quick, easy, and efficient installation in most furnace lining.

Classification Temperature:

ST Ceramic Fiber Module	1260°C (2300°F)
HP Ceramic Fiber Module	1260°C (2300°F)
HZ Ceramic Fiber Module	1430°C (2600°F)

Features:

- Low shrinkage
- Low thermal conductivity and low storage
- Lightweight
- Excellent thermal stability and thermal shock resistance

Applications:

- Petrochemical
- Metallurgy
- Steel industry
- Ceramic
- Refining
- Power plant
- Glass

TYPICAL PRODUCT PARAMETERS

	ST	HP	HZ
Physical Properties			
Color	White	White	White
Maximum Temperature Rating, °C (°F)	1260 (2300)	1260 (2300)	1430 (2600)
Recommended Operating Temperature, °C (°F)	1000 (1830)	1100 (2010)	1350 (2460)
Available Density, kg/m^3 (lb/ft^3)	160, 256 (10, 16)	160, 256 (10, 16)	160, 256 (10, 16)
Linear Shrinking 24 Hrs After Heating, %	≤-3 @1000°C (1832°F)	≤-2.5 @1100°C (2012°F)	≤-2.5 @1350°C (2462°F)
Thermal Conductivity, W/m·K @ 18.75 lb/ft^3			
600°C (1112°F)	≤-0.13	≤-0.12	≤-0.11
Chemical Analysis			
Al2O3	45 - 46	47 - 49	39 - 40
SiO2	50 - 51	47 - 50	38 - 45
ZrO2	-	-	15-17
Fe2O3	<2.0	0.2	0.2
Other	≤0.5	0.5	0.5
Sizes			
4” x 12” x 12” 6” x 12” x 12”	8” x 12” x 12” 10” x 12” x 12”	12” x 12” x 12”	

*Custom sizes are also available

The data shown are average results of tests under standard procedures and are subject to variation. Results should not be used for specification purpose or creating any contractual obligation. For more information on the safety application or material, please refer to the work practices and material safety data sheet.