

**Features**

- Flexible, resilient, pre-compressed module
- Extremely fast, efficient installation

Applications

- Annealing furnaces
- Heat treating furnaces
- Process heaters
- Reformers
- Ethylene furnaces
- Forge furnaces
- Steam flood units
- Homogenizing furnaces
- Incinerators

PREFLEX HP Modules are internally anchored “Block” style modules constructed of CER-WOOL Super Spun PREFLEX Blanket. PREFLEX Modules utilize one of the strongest, most durable “flexible” fiber on the market and are available with many anchoring options. These include “place and shoot” methods of attachment (OS2), pre-welded stud layout, self-tapping screw attachment, powder actuated charge, and bolt-through methods. Standard hardware is made from 304SS but options include 316SS, 310SS, and Inconel 601. Unlike other “Block” style modules, PREFLEX Modules come pre-compressed in special cardboard collars from the factory so that they can be installed with minimum effort.

PREFLEX HTZ Modules are internally anchored “Block” style modules constructed of CER-WOOL Super Spun PREFLEX Blanket. PREFLEX Modules utilize one of the strongest, most durable “flexible” fiber on the market and couples this with many anchoring options. These include “place and shoot” methods of attachment (OS2), pre-welded stud layout, self-tapping screw attachment, powder actuated charge, and bolt-through methods. Standard hardware is made from 304SS but options include 316SS, 310SS, and Inconel 601. Unlike other “Block” style modules, PREFLEX Modules come pre-compressed in special cardboard collars from the factory so that they can be installed with minimum of effort.

PREFLEX Modules

Product Information

Physical Properties

Density, pcf (kg/m^3)

Temperature rating, °F (°C)

Continuous use limit, up to °F (°C)

Chemical Analysis (Nominal, %)

Alumina, Al_2O_3

Silica, SiO_2

Ferric oxide, Fe_2O_3

Zirconia oxide, ZrO_2

Titanium oxide, TiO_2

Thermal Conductivity,

Btu•in./hr•ft²•°F ($w/m•k$) (ASTM C 201)

Mean temperature

@ 500°F (260°C)

@ 1000°F (538°C)

@ 1500°F (816°C)

@ 2000°F (1093°C)

HP

10, 12

(160, 192)

2300 (1260)

2200 (1204)

HTZ

10, 12

(160, 192)

2600 (1427)

2500 (1371)

44-49

50-54

<0.1

-

<0.1

33-37

46-51

<0.1

14-18

<0.4

0.54-0.55 (0.07-0.08)

0.87-0.97 (0.13-0.14)

1.35-1.55 (0.19-0.22)

1.94-2.22 (0.28-0.32)

0.54-0.55 (0.07-0.08)

0.87-0.97 (0.13-0.14)

1.35-1.55 (0.19-0.22)

1.94-2.22 (0.28-0.32)

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

Thermal Ceramics and PREFLEX are trademarks of The Morgan Crucible Company plc.

Marketing Communications Offices

Thermal Ceramics Americas

T: (706) 796 4200

F: (706) 796 4398

Thermal Ceramics Asia Pacific

T: +65 6733 6068

F: +65 6733 3498

Thermal Ceramics Europe

T: +44 (0) 151 334 4030

F: +44 (0) 151 334 1684

North America - Sales Offices

Canada

T: +1 (905) 335 3414

F: +1 (905) 335 5145

Mexico

T: +52 (555) 576 6622

F: +52 (555) 576 3060

United States of America

Eastern Region

T: +1 (800) 338 9284

F: +1 (866) 785 2764

Western Region

T: +1 (866) 785 2738

F: +1 (866) 785 2760

South America - Sales Offices

Argentina

T: +54 (11) 4373 4439

F: +54 (11) 4372 3331

Brazil

T: +55 (21) 2418 1366

F: +55 (21) 2418 1205

Chile

T: +56 (2) 854 1064

F: +56 (2) 854 1952

Colombia

T: +57 (2) 2282935/2282803/2282799

F: +57 (2) 2282935/2282803/23722085

Guatemala

T: +50 (2) 4733 295/6

F: +50 (2) 4730 601

Venezuela

T: +58 (241) 878 3164

F: +58 (241) 878 6712