



PLIBRICO COMPANY

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REFRACTORY PRODUCT DATA SHEET

Data date: 1/6/00

PLISTIX INJEC-TITE LWI 2300

Product # 17618

Product Description:

A ceramic fiber based, insulating refractory injection mix.

| | | | | |
|-----------------------------|----------------------|---------------------------------|------------------------|-----------------------|
| Max. Service Limit:: | 2300 F / 1260 C | Density: | To Place | In Service |
| | | | 75 pcf | 30 pcf |
| | | | 1201 kg/m ³ | 480 kg/m ³ |
| Packaging: | 50 lb / 22.7 kg Pail | | | |
| Required Water: | qt. / 0 l per bag | Min. Time Before Firing: | None | |

Chemistry - % (calcined)

| | | | | |
|--------------------------------|------|-------------------------------|-----|------------------|
| Al ₂ O ₃ | 19 | CaO | 0.1 | SiC |
| SiO ₂ | 77.8 | MgO | 0.3 | ZrO ₂ |
| Fe ₂ O ₃ | 1.6 | Alk. | 1.1 | Other |
| TiO ₂ | 0 | P ₂ O ₅ | | |

Abrasion Loss

(ASTM C704)
 1500 F / 815 C
 cc

Thermal Conductivity

| | btu*in/hr*ft ² *F | w / m*C |
|-----------------|------------------------------|---------|
| 500 F / 260 C | 1 | 0.1 |
| 1000 F / 540 C | 1.2 | 0.2 |
| 1500 F / 815 C | 1.3 | 0.2 |
| 2000 F / 1095 C | | 0 |

| Temperature | Linear Change - % ASTM C113 | Cold MOR psi / MPa ASTM C133 | Hot MOR psi / MPa ASTM C583 | CCS psi / MPa ASTM C133 |
|-----------------|--------------------------------|------------------------------------|-----------------------------------|-------------------------------|
| 2300 F / 1260 C | -3.2 | 0 | 0 | 0 |
| | | 0 | 0 | 0 |
| | | 0 | 0 | 0 |
| | | 0 | 0 | 0 |
| | | 0 | 0 | 0 |
| | | 0 | 0 | 0 |

Bake out:

ASTM classification:

Note: Data should not be used for specification purposes. Product data is periodically updated to reflect product / raw material / process changes. Please consult with your Pibrico representative to insure you have the most current data.

All data are averaged results of laboratory ASTM tests on laboratory cast specimens. Reasonable variations can be expected.

Thermal conductivity will vary depending upon measurement method, installed density, and thermal treatment.

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