

PRODUCT

**DELTA t CRETE 30**  
**LIGHTWEIGHT INSULATING CASTABLE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
ASTM C-401	Class U
Lbs. Required Dry Mix per Cu. Ft.	87 lbs.
% Water by Weight Required for Casting	Approx. 29%
Bulk Density After Drying at 230°F	91 lbs./cu.ft.
MOR After Drying at 230°F	260 – 350 psi
<u>Cold Crushing Strength</u>	
After Drying at 230°F	780 – 1050 psi
After Firing at 1500°F	700 – 950 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.2%
After Heating to 2900°F	0.2 to 1.6%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	34.5%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	58.8%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.8%
Lime	[CaO]	4.0%

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./°F/IN.

At 500°F	3.0
At 1500°F	3.6
At 2500°F	5.8

NOTE: All data subject to reasonable deviation and should not be used for specification purposes.

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