

PRODUCT

**DELTA t CRETE 28**  
**LIGHTWEIGHT INSULATING CASTABLE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
ASTM C-401	Class S
Lbs. Required Dry Mix per Cu. Ft.	85 lbs.
% Water by Weight Required for Casting	Approx. 28%
Bulk Density After Drying at 230°F	89 lbs./cu.ft.
MOR After Drying at 230°F	200 – 350 psi
<u>Cold Crushing Strength</u>	
After Drying at 230°F	800 – 1250 psi
After Firing at 1500°F	300 – 500 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	0.0 to -0.3%
After Heating to 2700°F	0.5 to 0.9%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	41.1%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	50.8%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	0.9%
Lime	[CaO]	5.0%

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

At 500°F	3.1
At 1500°F	3.6
At 2500°F	4.8

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

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