

PRODUCT

**DELTA t CRETE 28-110 ES**

**LOWER CEMENT, HIGH STRENGTH  
MEDIUM DENSITY CASTABLE**

**REFRACTORIES**

**TECHNICAL DATA**

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Lbs. Dry Mix Required per Cu. Ft.	110 lbs.
Water by Weight Required for Casting	21%
Bulk Density After Drying	112lbs./cu. ft.
<u>Modulus of Rupture</u>	
After Drying	900 – 1200 psi
At 1500°F	1900 – 2400 psi
At 2550°F	300 – 500 psi

Cold Crushing Strength

After Heating to 1500°F	3000 – 6000
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Permanent Linear Change

After 1500°F	0.0 to -0.5%
After 2550°F	0.0 to +0.7%
After 2730°F	0.0 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO <sub>2</sub> ]	42.6%
Alumina	[Al <sub>2</sub> O <sub>3</sub> ]	52.2%
Titania	[TiO <sub>2</sub> ]	1.0%
Iron Oxide	[Fe <sub>2</sub> O <sub>3</sub> ]	.6%
Lime	[CaO]	3.3%
Trace Minerals		0.3%

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

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