

PRODUCT

DELTA t CRETE 33
HIGH PURITY BUBBLE ALUMINA CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3300°F
ASTM C-401	Class V
Lbs. Required Dry Mix per Cu. Ft.	93 lbs.
% Water by Weight Required for Casting	Approx. 25%
Bulk Density After Drying at 230°F	98 lbs./cu.ft.
MOR After Drying at 230°F	500 – 550 psi
<u>Cold Crushing Strength</u>	
After Drying at 230°F	1500 – 2500 psi
After Firing at 1500°F	700 – 1200 psi
<u>Permanent Linear Change</u>	
After Drying at 230°F	Negligible
After Heating to 1500°F	Negligible
After Heating to 3200°F	0.0 to -0.5%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	0.36%
Alumina	[Al ₂ O ₃]	92.7%
Iron Oxide	[Fe ₂ O ₃]	0.02%
Lime	[CaO]	6.8%

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

At 500°F	6.1
At 1500°F	5.0
At 2500°F	5.2

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

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MT. SAVAGE
SPECIALTY REFRACTORIES COMPANY • Pittsburgh, Pa. 15127 •