

PRODUCT

ULTRA-TEK 70 VC
LOW CEMENT
VIBRATION CASTABLE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
% Water by Weight Required for Casting (approx.)	5.0 %
Lbs. Required Dry Mix per Cu. Ft.	164 lbs.
Bulk Density After Drying	168 lbs./cu. ft.
<u>Modulus of Rupture</u>	
After Drying	1900 – 2500 psi
At 1500°F	3500 – 5500 psi
At 2550°F	1200 – 2000 psi
<u>Cold Crushing Strength After 1500°F</u>	12000 – 18000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.2%
After 2550°F	+0.5 to +1.4%
<u>C-704 Abrasion Loss After 1500°F</u>	4 cc

CHEMISTRY

Silica	[SiO ₂]	26.4%
Alumina	[Al ₂ O ₃]	68.8%
Iron Oxide	[Fe ₂ O ₃]	0.9%
Lime	[CaO]	1.5%
Titania	[TiO ₂]	2.1%
Trace Minerals and Alkalis		0.3%

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

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