

PRODUCT

ULTRA-TEK 80 AL
ALUMINUM RESISTANT, LOW CEMENT CASTABLE
OR SHOTCRETE

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2900°F
Lbs. Required Dry Mix per Cu. Ft.	172 lbs.
% Water by Weight Required for Self Flow (approx.)	6.0%
Bulk Density After Drying	175 pcf
<u>Modulus of Rupture</u>	
After Drying	2,000 – 2,600 psi
At 1500°F	2,800 – 3,500 psi
<u>Cold Crushing Strength</u>	
After 1500°F	12,000 – 17,000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.3%
After 2550°F	0.0 to +0.6%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	13.3%
Alumina	[Al ₂ O ₃]	79.3%
Iron Oxide	[Fe ₂ O ₃]	1.0%
Lime	[CaO]	1.9%
Titania	[TiO ₂]	1.5%
Other		3.0%

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

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