

PRODUCT**ULTRA-TEK AZS NC****HIGH DENSITY, ZIRCONIA-MULLITE,
NO CEMENT CASTABLE/SHOTCRETE****REFRACTORIES****TECHNICAL DATA****PHYSICAL PROPERTIES**

Maximum Service Temperature	2800°F
Lbs. Required Dry Mix per Cu. Ft.	183 lbs.
% Water by Weight Required for Pumping (approx.)	5.0%
Bulk Density After Drying at 250°F	185 lbs./cu.ft.

Modulus of Rupture

After Drying	1500 psi
HMOR At 1500°F	1800 psi
HMOR At 2550°F	600 psi

Cold Crushing Strength

After 1500°F	9000 psi
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Permanent Linear Change

After 1500°F	-0.1%
After 2550°F	+0.8%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	25.1%
Alumina	[Al ₂ O ₃]	44.8%
Zirconium Oxide	[ZrO ₂]	28.1%
Iron Oxide	[Fe ₂ O ₃]	0.2%
Lime	[CaO]	0.2%
Titania	[TiO ₂]	0.3%
Other		1.3%

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

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