

PRODUCT

ULTRA-TEK AZS

**HIGH DENSITY, ZIRCONIA-MULLITE
CASTABLE/SHOTCRETE**

REFRACTORIES

TECHNICAL DATA

PHYSICAL PROPERTIES

Maximum Service Temperature	2800°F
Lbs. Required Dry Mix per Cu. Ft.	177 lbs.
% Water by Weight Required for pumping (approx.)	5%
Bulk Density After Drying	180 lbs./cu.ft.
<u>Modulus of Rupture</u>	
After Drying	1400 – 1900 psi
At 1500°F	2200 – 2800 psi
At 2550°F	300 – 700 psi
<u>Cold Crushing Strength</u>	
After 1500°F	7000 – 11000 psi
<u>Permanent Linear Change</u>	
After 1500°F	0.0 to -0.3%
After 2550°F	+0.2 to +1.0%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	21.5%
Alumina	[Al ₂ O ₃]	46.4%
Zirconium Oxide	[ZrO ₂]	28.0%
Iron Oxide	[Fe ₂ O ₃]	0.2%
Lime	[CaO]	1.9%
Trace Minerals & Alkalis		2.0%

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

8010



MT. SAVAGE

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