

PRODUCT

ULTRA-TEK FS
FUSED SILICA, LOW CEMENT, SELF FLOW, PUMP MIX,
SHOTCRETE MIX

REFRACTORIES

TECHNICAL DATA

PHYSICAL DATA

Vibration Cast

Self-Leveling

Maximum Service Temperature

2200°F

2200 °F

Water by Weight Required for Casting

5.0%

6.5%

Bulk Density

After Drying at 250°F

137 pcf

130 pcf

Modulus of Rupture

After Drying at 250°F

1,500 – 1,900 psi

1,100 – 1,500 psi

HMOR at 1500°F

2,800 – 3,500 psi

2,200 – 2,800 psi

HMOR at 2200°F

3,000 – 3,500 psi

2,900 – 3,400 psi

Cold Crushing Strength

After Heating to 1500°F

5,500 – 8,500 psi

5,000 – 8,000 psi

Permanent Linear Change

After Heating to 1500°F

0.0 to -0.2%

0.0 to -0.2%

After Heating to 2200°F

-0.2 to +0.2%

-0.2 to +0.2%

CHEMICAL ANALYSIS

Silica	[SiO ₂]	76.9%
Alumina	[Al ₂ O ₃]	20.6%
Iron Oxide	[Fe ₂ O ₃]	<0.1%
Lime	[CaO]	2.4%

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

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MT. SAVAGE

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