



## XERCON 97

### PRODUCT DATA SHEET

**XERCON 97** is a high alumina, low iron, specialty castable for service temperatures up to 3400°F.

<b>Recommended Service Temperature</b>	<b>3400°F</b>
<b>Water Required for Mixing (as a % of weight)</b>	<b>6.5 – 8.0 %</b>
<b>Material Required Per Cubic Foot</b>	<b>170 - 177 lbs.</b>
<b>Packaging</b>	<b>64 - 55lb bags /pallet 1,000+lb Super Sacks</b>

#### TYPICAL CHEMICAL ANALYSIS

<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>SiO<sub>2</sub></b>	<b>CaO</b>	<b>TiO<sub>2</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>
96.5 - 97	0.1	2.6 - 2.8	Tr	0.1

#### TYPICAL PHYSICAL PROPERTIES

<b>Test Temperature (°F)</b>	<b>Bulk Density (pcf)</b>	<b>C.C.S. (psi)</b>	<b>CMOR (psi)</b>	<b>Apparent Porosity (%)</b>	<b>Permanent Linear Change (%)</b>
220	173 - 180	2000	1000	9 - 13	-0.4 to 0.0
1500	170 - 177	2000	700	12 - 16	-0.4 to 0.0
2550	169 - 175	2000	1400	15 - 19	-0.8 to -0.4
3000	172 - 177	3000	1400	12 - 16	-0.4 to +0.2

Xertech Specialties  
1422 Hoelzer Ct.  
Dailey Industrial Park  
Pacific, MO 63069  
Ph: (636)271-0586; Fax: (636)271-0587

[www.xertechllc.com](http://www.xertechllc.com)  
[mail@xertechllc.com](mailto:mail@xertechllc.com)

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