



## DETAILED DATA SHEET

### High Alumina Refractory Aggregate

#### Chemical Analysis by XRF (typical)

	<u>4x10 mesh</u>	<u>6/F</u>
SiO <sub>2</sub>	--- 3.40	3.62
Al <sub>2</sub> O <sub>3</sub>	---93.75	93.16
TiO <sub>2</sub>	---0.01	0.01
Fe <sub>2</sub> O <sub>3</sub>	---0.11	0.17
Cr <sub>2</sub> O <sub>3</sub>	---0.01	0.03
ZrO <sub>2</sub>	---0.18	0.49
CaO	---1.91	1.90
MgO	---0.42	0.42
MnO	---0.01	0.01
Na <sub>2</sub> O	---0.19	0.16
K <sub>2</sub> O	---0.02	0.02
P <sub>2</sub> O <sub>5</sub>	---0.02	0.02
SrO	---n.d.	0.1*
WO <sub>3</sub>	---n.d.	0.6*

\* Semi-quant. XRF analysis

Free Carbon ----- 0.03

Moisture ----- 0.07

LOI ----- 0.02

Apparent Porosity ----- 0.0 %

Bulk Density ----- 230 pcf

Specific Gravity ----- 3.69



Screen Analysis (Tyler)

<u>Tyler Mesh</u>	<u>4x10 mesh</u>		<u>6/F</u>	
	<u>% on</u>	<u>cum %</u>	<u>% on</u>	<u>cum %</u>
4 ----	5.5	5.5	--	--
6 ----	36.5	42.0	1	1
8 ----	46.5	88.5	2	3
10 ----	10.8	99.3	9	12
14 ----	0.7	100.0	10	22
20 ----	tr	100.0	13	35
28			17	52
35			13	65
48			13	78
100			15	93
200			6	99
325			0.5	99+
pan			0.5	100