

XERCAST 3200-AL PRODUCT DATA SHEET

XERCAST 3200-AL is a high alumina, low cement, and low moisture castable. Designed to be used in a wide variety of applications, due to its minimum porosity and linear change with maximum density and high fired strengths. This material can be used in applications which require high temperature resistance and is applicable for service in non-wetting metal contact applications up to 2200°F.

Maximum Service Temperature	3200°F (non-wetting 2200°F)
Water Required for Mixing (as a % of weight)	4.7 – 5.7 %
Material Required Per Cubic Foot	170 lbs.
Packaging	64 - 55lb bags / pallet 1,000+lb Super Sacks

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	SiO ₂	CaO	TiO ₂	Fe ₂ O ₃	Alkalis
76.0	18.1	1.8	2.8	1.1	0.2

TYPICAL PHYSICAL PROPERTIES

Test Temperature (°F)	Bulk Density (pcf)	C.C.S. (psi)	CMOR (psi)	Apparent Porosity (%)	Permanent Linear Change (%)
220	166 - 172	10000	2000	8 - 12	Nil
1500	166 - 172	10000	2000	14 - 17	-0.3 to 0.0
2000	165 - 170	10000	2000	15 - 18	-0.3 to +0.1
2732	163 - 167	9000	1800	16 - 19	+0.7 to +1.3

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