

PRODUCT BULLETIN

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CHICAGO *Fire Brick*

A Division of
**ALLIED MINERAL
PRODUCTS, INC.**

CW OMEGA RAM

Resin Bonded High Alumina Graphitic Silicon Carbide Ramming Mix

Maximum Service Temperature 1705°C (3100°F)

Material Required 3.11 g/cm³ (194 lb./ft.³)

Chemical Composition (Dried Basis)

	%
Al ₂ O ₃	66.3
SiC+C	27.3
SiO ₂	3.8
TiO ₂	1.4
Fe ₂ O ₃	0.5
MgO	0.3
CaO	0.2
Alkali	0.2

Physical Properties at Room Temperature

Temperature		Density		Linear Expansion	MOR		CCS	
°C	°F	g/cm ³	lb./ft. ³	%	MPa	psi	MPa	psi
105	220	3.04	190	-0.3	13.1	1900	27.6	4000
815	1500	2.98	186	-0.3	4.8	700	15.8	2300
1400	2550	2.96	185	0.0	8.3	1200	41.3	6000
1510	2750	2.98	186	-0.1	11.0	1600	55.1	8000

Store in a cool location to avoid drying as shelf life will vary with storage conditions. Typically shelf life is 3-4 months when stored below 26°C (80°F) and 2-3 months when stored above 26°C (80°F). Under no conditions should the product be exposed to storage temperatures in excess of 40°C (105°F) or the product will experience a substantial reduction in shelf life.

(CWOR)

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