

PRODUCT BULLETIN

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CHICAGO *Fire Brick*

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

CW OMEGA PLASTIC

Resin Bonded High Alumina Graphitic Silicon Carbide Plastic

Maximum Service Temperature.....1705°C (3100°F)

Material Required.....2.93 g/cm³ (183 lb./ft.³)

Chemical Composition (Dried Basis)

	%
Al ₂ O ₃	62.3
SiC+C	27.6
SiO ₂	5.6
TiO ₂	1.4
Fe ₂ O ₃	0.5
CaO	0.1
MgO	0.1
Alkali	0.1

Physical Properties at Room Temperature

Temperature		Density		Linear Expansion	MOR		Porosity
°C	°F	g/cm ³	lb./ft. ³	%	MPa	psi	%
177	350	2.82	176	-0.5	8.3	1200	13
1510	2750R*	2.77	173	-0.5	7.6	1100	19

*R = Reducing Atmosphere

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.

(CWOP)

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