

PRODUCT BULLETIN

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CHICAGO *Fire Brick*

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

CW 379 PLASTIC GT

Resin Bonded High Alumina Graphitic Silicon Carbide Plastic

Maximum Service Temperature.....1650°C (3000°F)

Material Required.....3.20 g/cm³ (200 lb./ft.³)

Chemical Composition (Dried Basis)

	%
Al ₂ O ₃	66.4
SiC+C	25.4
SiO ₂	5.3
TiO ₂	1.4
Fe ₂ O ₃	0.4
CaO	0.2
MgO	0.2

Physical Properties at Room Temperature

Temperature		Density		Linear Expansion	MOR	
°C	°F	g/cm ³	lb./ft. ³	%	MPa	psi
245R	470R	2.83	177	-0.38	23.8	3462
1500R	2732R	2.74	172	-0.39	4.8	687

*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.

(CWP379GT)

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