

# TECHNICAL BULLETIN

## CRYSTOLON<sup>®</sup> Kiln Furniture

## RC-4128

RC-4128 is a coarse-grained, oxide-bonded silicon carbide composition that offers good thermal shock resistance and oxidation resistance. CN-4128 mix is used for a variety of products including kiln furniture plates and batts.

### Typical Characteristics

Chemistry	%	
SiC	83	
SiO <sub>2</sub>	16	
Fe <sub>2</sub> O <sub>3</sub>	0.8	
Other	0.2	
Maximum Use Temperature	1500°C	2732°F
Bulk Density	2.45 g/cc	153 lbs/ft <sup>3</sup>
Apparent Porosity	18%	
Modulus of Rupture	MPa	psi
20°C (68°F)	18 min.	2560 min.
1400°C (2552°F)	20 min.	2840 min.
Cold Crushing Strength	60 min.	8530 min.
Thermal Conductivity	10 W/mK	69 BTU-in / ft <sup>2</sup> -h-°F
Coefficient of Thermal Expansion	5.6 x 10 <sup>-6</sup> /°C	

1 New Bond Street • PO Box 15136 • Worcester, MA 01615-0136 • (508) 795-5577 • FAX: (508) 795-5011 • ISO9001:2000 Certified

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