



ZELIEBLOK 1900S

Calcium Silicate Block Insulation

BNZ Materials, Inc.

Properties		
Maximum Service Temperature	°C °F	1000 1832
Bulk Density, dry	lb/ft2 (kg/m3)	225 14
Modulus of Rupture	lb/in2 MPa	1.9 275.5
Compressive Strength	lb/in2 MPa	2.6 377
Linear shrinkage % 12 hrs at 1050°C	950	1.0
Thermal conductivity, ASTM C-182		
Mean Temperature, °F(°C)		
200 °C	W/m°K	0.06
400 °C	W/m°K	0.08
600 °C	W/m°K	0.10
392 °F	Btu-in/ft2, hr °F	0.42
752 °F	Btu-in/ft2, hr °F	0.55
1112 °F	Btu-in/ft2, hr °F	0.69
Chemical Analysis		
Alumina -- Al ₂ O ₃		% 45
Silica -- SiO ₂		0.2
Ferric oxide -- Fe ₂ O ₃		0.2
Sodium oxide -- Na ₂ O		0.7
Calcium oxide -- CaO		45.0
Magnesium oxide -- MgO		0.1
Potassium oxide -- K ₂ O		0.2
Loss on ignition, 1025°C		8

Sales Office:

BNZ Materials, Inc.
 191 Front Street
 Zelienople, PA 16063
 Phone: (724) 452-8650
 1-800-955-8650
 Fax: (724) 452-1346

OR

Contact your District Sales Office

ZelieBlok 1900S is designed to serve as a backup insulation for any refractory construction. Its high refractoriness and strength help prevent catastrophic failure of a refractory system.

Contact BNZ with your refractory needs. Our experienced Technical Staff and Customer Service Department will be glad to provide assistance with your next project.

BNZ means
Quality,
Service,
Alliances

The physical and chemical properties of BNZ's ZelieBlok 1900S represent values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Insulating Firebrick, Castables
 Plant Location
 Zelienople
 191 Front Street
 Zelienople, PA 16063
 Phone: (724) 452-8650
 Fax: (724) 452-1346

Visit our Web site at:
www.bnzmaterias.com

Corporate Headquarters
 Denver
 6901 So. Pierce Street, Suite 260
 Littleton, CO 80128
 Phone: (303) 978-1199
 Fax: (303) 978-0308