



BNZ Materials, Inc.

Blazelite 28 LI AHP Data Sheet

Maximum Service Temperature, F° (°C)	2800 (1538)	
	Cast	Gunned
Density, Fired 5 hrs. at 1500°F Lb./ft ³	76-80	78-83
Mixing Water Required, Wt. %	18-20	2-4% Pre-damp
Air Pressure at Nozzle, psi		25-45
Cold Crushing Strength, psi		
ASTM C133		
Drying: 230° F	820	900
Firing: 1500° F	570	700
Firing: 2800° F	770	850
Permanent Linear Change, %		
ASTM C113, After Firing to:		
1500° F	-0.38	-0.36
2200° F	-0.55	-0.58
2800° F	<-1.0	<-1.0
Chemical Analysis, %		
Al ₂ O ₃	66.8	63.8
SiO ₂	27.2	30.25
Fe ₂ O ₃	0.35	0.44
TiO ₂	0.86	0.78
CaO	3.99	3.73
MgO	0.15	0.23
Na ₂ O & K ₂ O	0.61	0.76
Thermal Conductivity		
ASTM C417 – Btu-in/hr-ft ² -°F (°C)		
Mean Temperature °F		
500	3.09 (0.44)	3.15 (0.45)
1000	3.22 (0.46)	3.29 (0.47)
1500	3.40 (0.49)	3.46 (0.50)
2000	3.70 (0.53)	3.98 (0.57)

For Product information or sales, please contact your sales representative or the Customer Service Office at 724-452-8650 or 1-800-955-8650. BNZ Materials, Inc., 191 Front Street, Zelienople, PA 16063

4-8-21 The physical and chemical properties of BNZ's castables 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. Results should not be used for specification purposes. Compliance Data Sheets are available upon request to meet specifications.