Insulating Fire Brick

BNZ Materials, Inc

Effective: Mar-16				BNZ 23
Classification Group		ISO 2245 ASTM C 155		125-0.6-L 23
Classification Temperature			°C	1260
Density		ASTM C 134	g/cm^3	0.60
Cold Crushing Strength	Flat Edge	ASTM C 133	MPa	0.9
Cold Modulus of Rupture		ASTM C 133	MPa	0.7
Permanent Linear Change 24h soak at Temperature, °C		ASTM C 210	%	0.0 1232
Linear Thermal Expansion Reversible, Max.			%	0.60
Deformation under Hot Load 69 kPa load, 1½h at Temperature, °C		ASTM C 16	%	0.0 1093
Thermal Conductivity		ASTM C 182	W/(mK)	
Mean Temperature, °C				
200				0.14
400				0.16
600				0.19
800				0.22
1000				0.25
1200				
Chemical Analysis			%	
Al_2O_3				40.0
SiO_2				48.8
Fe_2O_3				0.7
TiO_2				1.5
CaO + MgO				8.3
$Na_2O + K_2O$				0.5
Dimensional Tolerances	Standard Square			
Dimensions			mm	± 0.8
Out of Squareness			%	≤ 0.5

The above physical and chemical properties of Insulating Fire Brick represent values obtained on standard squares in accordance with accepted test methods and are subject to normal manufacturing variations. This information is supplied as a technical service and may change without notice. Results should not be used for specification purposes, unless agreed with seller.

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Distributor: