



TECHNICAL DATA - PRELIMINARY

REFRACTORY BRICK

CRYOGARD BB

Classification	A low porosity dry press barrier brick for aluminum pot-line service		
Refractoriness P.C.E.	Cone 20 - 23		
Temperature Equivalent	2845 - 2920 ⁰ F	(1585 - 1605 ⁰ C)	
Bulk Density	129 - 135 lbs/ft ³	(2.06 - 2.16 g/cm ³)	
Cold Crushing Strength	5000 - 8000 lbs/in ²	(34 - 55 MPa)	
Apparent Porosity (%)	17 - 21%		
Permeability	23 centidarcys		
Thermal Conductivity	<u>Btu/ft²•Hr⁰/in</u>	<u>(W/mK)</u>	
400 ⁰ F	(204 ⁰ C)	7.5	1.08
1500 ⁰ F	(816 ⁰ C)	8.5	1.23
<u>Chemical Analysis (%)</u>			
Silica	SiO ₂	57 - 61%	
Alumina	Al ₂ O ₃	26 - 30%	