



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA - TYPICAL

### INSULATING BRICK

#### **CLAYTHERM GOZ-0.9**

Classification	A low density, high strength, pressed insulating brick.		
Max. Service Temperature (back up)	2350°F	(1300°C)	
Bulk Density	50 - 62 lbs/ft <sup>3</sup>	(0.8-1.0 g/cm <sup>3</sup> )	
Cold Crushing Strength	1000 - 1900 lbs/in <sup>2</sup>	(7.0-13.0 MPa)	
<u>Linear Change on Reheating</u>			
1550°F	(840°C)	0.0%	
1650°F	(900°C)	0.0%	
2300°F	(1260°C)	-0.5 to -1.5%	
<u>Thermal Conductivity</u>			
		<u>Btu/ft<sup>2</sup> Hr F/in</u>	<u>(W/mK)</u>
250°F	(121°C)	2.0	0.29
500°F	(260°C)	2.1	0.31
1000°F	(538°C)	2.4	0.35
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	40 - 46%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	46 - 52%	

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**ALL DATA SUBJECT TO REASONABLE DEVIATION AND THEREFORE  
SHOULD NOT BE USED FOR SPECIFICATION PURPOSES**