



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA - TYPICAL

### INSULATING BRICK

#### **CLAYTHERM OZ-0.6**

Classification	An ultra low density, medium strength, pressed insulating brick.		
Max. Service Temperature (back up)	2100°F	(1150°C)	
Bulk Density	31 - 44 lbs/ft <sup>3</sup>	(0.5-0.7 g/cm <sup>3</sup> )	
Cold Crushing Strength	450 - 850 lbs/in <sup>2</sup>	(3.0-6.0 MPa)	
<u>Linear Change on Reheating</u>			
1550°F	(840°C)	0.0%	
1650°F	(900°C)	0.0%	
2000°F	(1090°C)	0.0 to -0.2%	
<u>Thermal Conductivity</u>			
		<u>Btu/ft<sup>2</sup>·Hr·F/in</u>	<u>(W/mK)</u>
250°F	(121°C)	1.4	0.19
500°F	(260°C)	1.4	0.21
1000°F	(538°C)	1.7	0.25
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	51 - 57%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	36 - 42%	

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