



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
 ABBOTSFORD, BC  
 CANADA V2S 5C1  
 PHONE: (604) 859-5288  
 FAX: (604) 859-0424



TECHNICAL DATA - TYPICAL  
 INSULATING CASTABLES  
**THERMOLITE 22G**

(Cast Data)

Classification	A lightweight 2200°F insulating castable suitable for gunning applications		
Service Limit	2200°F	(1205°C)	
<u>Bulk Density</u>			
230°F (110°C)	51-57 pcf	(817-913 kg/m <sup>3</sup> )	
1500°F (816°C)	46-52 pcf	(737-833 kg/m <sup>3</sup> )	
<u>Linear Change on Heating</u>			
1500°F (816°C)	-0.5 to -0.9%		
<u>Cold Crushing Strength</u>			
1500°F (816°C)	150-300 lbs/in <sup>2</sup>	(1.0-2.1 MPa)	
<u>Thermal Conductivity (Mean Temp)</u>	<u>Btu/ft<sup>2</sup>•Hr•°F/in</u>	<u>W/mK</u>	
400°F (204°C)	1.56	0.22	
800°F (427°C)	1.68	0.24	
1200°F (649°C)	1.80	0.26	
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	38.5%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	29.9%	
Iron	Fe <sub>2</sub> O <sub>3</sub>	8.6%	

ASTM Designation "FOR PRODUCT DATA COMPARISON ONLY"

SEP 02

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