



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
 ABBOTSFORD, BC  
 CANADA V2S 5C1  
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TECHNICAL DATA - TYPICAL  
 INSULATING CASTABLES  
**THERMOLITE 25GES**

(Cast Data)

Classification	An extra strength medium lightweight 2500°F insulating castable designed for gunning applications		
Service Limit	2500°F	(1370°C)	
<u>Bulk Density</u>			
230°F (110°C)	81-87 pcf	(1298-1394 kg/m <sup>3</sup> )	
1500°F (816°C)	74-80 pcf	(1185-1282 kg/m <sup>3</sup> )	
<u>Linear Change on Heating</u>			
1500°F (816°C)	-0.2 to -0.4%		
<u>Cold Crushing Strength</u>			
1500°F (816°C)	700-1000 lbs/in <sup>2</sup>	(4.8-6.9 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)	2.47	0.36	
800°F (427°C)	2.63	0.38	
1200°F (649°C)	2.83	0.41	
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	45.6%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	35.0%	
Iron	Fe <sub>2</sub> O <sub>3</sub>	3.1%	

ASTM Designation "FOR PRODUCT DATA COMPARISON ONLY"

SEP 02

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