



CLAYBURN INDUSTRIES LTD.

33765 PINE STREET
 ABBOTSFORD, BC
 CANADA V2S 5C1
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TECHNICAL DATA - TYPICAL
 INSULATING CASTABLES
THERMOLITE 22GES

(Cast Data)

Classification	An extra strength lightweight 2200°F insulating castable designed for gunning applications		
Service Limit	2200°F	(1205°C)	
<u>Bulk Density</u>			
230°F (110°C)	61-65 pcf	(977-1041 kg/m ³)	
1500°F (816°C)	54-60 pcf	(865-961 kg/m ³)	
<u>Linear Change on Heating</u>			
1500°F (816°C)	-0.3 to -0.8%		
<u>Cold Crushing Strength</u>			
1500°F (816°C)	400-800 lbs/in ²	(2.8-5.5 MPa)	
<u>Thermal Conductivity (Mean Temp)</u>	<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>	
400°F (204°C)	1.86	0.27	
800°F (427°C)	1.99	0.29	
1200°F (649°C)	2.19	0.32	
<u>Chemical Analysis</u>			
Silica	SiO ₂	37.8%	
Alumina	Al ₂ O ₃	36.2%	
Iron	Fe ₂ O ₃	2.7%	

ASTM Designation "FOR PRODUCT DATA COMPARISON ONLY"

SEP 02

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