



CLAYBURN INDUSTRIES LTD.

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 CANADA V2S 5C1
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TECHNICAL DATA - TYPICAL
INSULATING CASTABLES
INSULITE BLOCK CASTABLE

(Cast Data)

Classification	An ultra lightweight insulating castable suitable for casting or gunning applications		
Service Limit	1600 ⁰ F		(871 ⁰ C)
Dry Weight Required to Place 1 cu. ft. (m ³)	25 lbs		(400 Kg)
Approx. Water Required for Placement	150%		
<u>Linear Change on Heating</u>			
230 ⁰ F	(110 ⁰ C)	Nil %	
1500 ⁰ F	(816 ⁰ C)	-1.0 to -2.0%	
1600 ⁰ F	(871 ⁰ C)	-1.0 to -2.0%	
<u>Cold Crushing Strength</u>			
230 ⁰ F	(110 ⁰ C)	80-200 lbs/in ²	(0.6-1.4 MPa)
1500 ⁰ F	(816 ⁰ C)	50-120 lbs/in ²	(0.3-0.8 MPa)
<u>Thermal Conductivity (Mean Temp)</u>			
400 ⁰ F	(204 ⁰ C)	<u>Btu/ft²•Hr•⁰F/in</u>	<u>W/mK</u>
800 ⁰ F	(427 ⁰ C)	0.72	0.10
1200 ⁰ F	(649 ⁰ C)	0.84	0.12
		0.92	0.13
<u>Chemical Analysis</u>			
Silica	SiO ₂	56.5%	
Alumina	Al ₂ O ₃	14.0%	
Iron	Fe ₂ O ₃	5.9%	

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