



CLAYBURN INDUSTRIES LTD.

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 CANADA V2S 5C1
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TECHNICAL DATA - TYPICAL
 INSULATING CASTABLES
THERMOLITE 22GLI

(Gunned Data)

Classification	A <u>low iron</u> lightweight 2200°F insulating castable suitable for gunning applications		
Service Limit	2200°F		(1205°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	70 lbs		(1120 Kg)
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.4 to -1.0%	
2100°F	(1149°C)	-1.0 to -1.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	400-700 lbs/in ²	(2.8-4.8 MPa)
1500°F	(816°C)	300-600 lbs/in ²	(2.1-4.1 MPa)
<u>Thermal Conductivity (Mean Temp.)</u>			
400°F	(204°C)	<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
800°F	(427°C)	2.13	0.31
1200°F	(649°C)	2.29	0.33
		2.41	0.35
<u>Chemical Analysis</u>			
Silica	SiO ₂	50.0%	
Alumina	Al ₂ O ₃	36.0%	
Iron	Fe ₂ O ₃	1.0%	
ASTM Designation	C401 Class "P"		

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