



CLAYBURN INDUSTRIES LTD.

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 ABBOTSFORD, BC
 CANADA V2S 5C1
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TECHNICAL DATA - TYPICAL
 INSULATING CASTABLES
THERMOLITE 25G

(Gunned Data)

Classification	A medium lightweight 2500°F insulating castable suitable for gunning applications		
Service Limit	2500°F		(1370°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	78 lbs		(1250 Kg)
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.3 to -0.7%	
2300°F	(1260°C)	-1.0 to -1.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	900-1400 lbs/in ²	(6.2-9.6 MPa)
1500°F	(816°C)	450-850 lbs/in ²	(3.1-5.9 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)	2.47	0.36
1200°F	(649°C)	2.63	0.38
		2.83	0.41
<u>Chemical Analysis</u>			
Silica	SiO ₂	46.1%	
Alumina	Al ₂ O ₃	31.6%	
Iron	Fe ₂ O ₃	6.9%	
ASTM Designation	C401 Class "Q"		

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