



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - TYPICAL
 INSULATING CASTABLES
THERMOLITE 20G

(Gunned Data)

Classification	A lightweight 2000°F insulating castable suitable for gunning applications		
Service Limit	2000°F		(1093°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	50 lbs		(800 Kg)
<u>Linear Change on Heating</u>			
230°F (110°C)	Nil %		
1500°F (816°C)	-0.7 to -1.2%		
1900°F (1038°C)	-1.0 to -1.5%		
<u>Cold Crushing Strength</u>			
230°F (110°C)	300-600 lbs/in ²		(2.1-4.1 MPa)
1500°F (816°C)	250-500 lbs/in ²		(1.7-3.4 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)	1.56		0.22
1200°F (649°C)	1.68		0.24
	1.80		0.26
<u>Chemical Analysis</u>			
Silica	SiO ₂	50.5%	
Alumina	Al ₂ O ₃	25.6%	
Iron	Fe ₂ O ₃	6.1%	
ASTM Designation	C401 Class "O"		