



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - TYPICAL
INSULATING CASTABLES
THERMOLITE 25SC

Classification	An extra strength medium lightweight low iron 2500°F insulating castable suitable for casting or gunning applications		
Service Limit	2500°F		(1370°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	92 lbs		(1470 Kg)
Approx. Water Required for Placement	23%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.1 to -0.3%	
2300°F	(1260°C)	-0.5 to -1.0%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	1500-2000 lbs/in ²	(10.3-13.8 MPa)
1500°F	(816°C)	1000-1500 lbs/in ²	(6.9-10.3 MPa)
<u>Thermal Conductivity (Mean Temp)</u>		<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
400°F	(204°C)	2.86	0.41
800°F	(427°C)	2.91	0.43
1200°F	(649°C)	3.28	0.47
<u>Chemical Analysis</u>			
Silica	SiO ₂	37.6%	
Alumina	Al ₂ O ₃	40.7%	
Iron	Fe ₂ O ₃	1.3%	
ASTM Designation	C401 Class "Q"		

FEB 09

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