



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - TYPICAL
INSULATING CASTABLES

THERMOLITE 28LI

(Cast Data)

Classification	A medium weight <u>low iron</u> 2800°F insulating castable suitable for casting or gunning applications		
Service Limit	2800°F		(1540°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	100 lbs		(1600 Kg)
Approx. Water Required for Placement	17%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.1 to -0.4%	
2700°F	(1482°C)	+0.5 to +1.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	900-1800 lbs/in ²	(6.2-12.4 MPa)
1500°F	(816°C)	800-1600 lbs/in ²	(5.5-11.0 MPa)
<u>Thermal Conductivity</u> (Mean Temp)		<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
400°F	(200°C)	3.06	0.44
800°F	(420°C)	3.16	0.46
1200°F	(650°C)	3.50	0.50
1600°F	(870°C)	3.96	0.57
<u>Chemical Analysis</u>			
Silica	SiO ₂	36.4%	
Alumina	Al ₂ O ₃	55.7%	
Iron	Fe ₂ O ₃	1.0%	
ASTM Designation	C401 Class "S"		

FEB 09

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