



CLAYBURN INDUSTRIES LTD.

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

Classification	An extra strength medium lightweight 2500°F insulating castable		
Service Limit	2500°F		(1370°C)
Dry Weight Required to Place 1 cu. ft. (m ³)	85 lbs		(1360 Kg)
Approx. Water Required for Placement	27%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.2 to -0.4%	
2300°F	(1260°C)	-0.5 to -1.0%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	1200-1800 lbs/in ²	(8.3-12.4 MPa)
1500°F	(816°C)	800-1400 lbs/in ²	(5.5-9.7 MPa)
<u>Thermal Conductivity (Mean Temp)</u>		<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
400°F	(204°C)	2.53	0.36
800°F	(427°C)	2.70	0.39
1200°F	(649°C)	2.91	0.42
<u>Chemical Analysis</u>			
Silica	SiO ₂	42.1%	
Alumina	Al ₂ O ₃	36.7%	
Iron	Fe ₂ O ₃	2.9%	
ASTM Designation	C401 Class "Q"		

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