



**CLAYBURN INDUSTRIES LTD.**

33765 PINE STREET  
 ABBOTSFORD, BC  
 CANADA V2S 5C1  
 PHONE: (604) 859-5288  
 FAX: (604) 859-0424



**TECHNICAL DATA - TYPICAL**  
**INSULATING CASTABLES**  
**THERMOLITE 26ES LI**

Classification	An extra strength <u>low iron</u> medium lightweight 2600°F insulating castable		
Service Limit	2600°F		(1430°C)
Dry Weight Required to Place 1 cu. ft. (m <sup>3</sup> )	85 lbs		(1362 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 -0.4%	
2500°F	(1370°C)	0.0 to +0.5%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	1500-2000 lbs/in <sup>2</sup>	(10.3-13.8 MPa)
1500°F	(816°C)	1000-1500 lbs/in <sup>2</sup>	(6.9-10.3 MPa)
<u>Thermal Conductivity (Mean Temp)</u>		<u>Btu/ft<sup>2</sup>•Hr•°F/in</u>	<u>W/mK</u>
400°F	(204°C)	2.70	0.39
800°F	(427°C)	2.85	0.41
1200°F	(649°C)	3.09	0.44
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	40.9%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	50.6%	
Iron	Fe <sub>2</sub> O <sub>3</sub>	0.8%	
ASTM Designation	C401 Class "Q"		

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