



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA - TYPICAL

### CASTABLES

#### **320 CASTABLE**

Classification	A general purpose hydraulic refractory castable		
Service Limit	2300°F		(1260°C)
Dry Weight Required to Place 1 cu. ft. (m <sup>3</sup> )	115 lbs		(1840 Kg)
Approx. Water Required for Placement	16.5%		
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil%	
1500°F	(816°C)	-0.1 to -0.4%	
2300°F	(1260°C)	0.0 to +1.0%	
<u>Modulus of Rupture</u>			
230°F	(110°C)	500-900 lbs/in <sup>2</sup>	(3.4-6.2 MPa)
1500°F	(816°C)	200-500 lbs/in <sup>2</sup>	(1.4-3.4 MPa)
<u>Chemical Analysis</u>			
Silica	SiO <sub>2</sub>	51.2%	
Alumina	Al <sub>2</sub> O <sub>3</sub>	30.5%	
Titania	TiO <sub>2</sub>	1.9%	
Iron	Fe <sub>2</sub> O <sub>3</sub>	6.3%	
Lime	CaO	8.5%	
Magnesia	MgO	0.5%	
ASTM Designation	C401 Class "B"		

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