



**TECHNICAL DATA - TYPICAL
INSULATING CASTABLES**

THERMOLITE 28LI

(Gunned 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)	113 lbs	(1810 Kg)
<u>Linear Change on Heating</u>		
230°F (110°C)	0.0 %	
1500°F (816°C)	-0.2 to -0.6%	
2700°F (1482°C)	+0.5 to +1.5%	
<u>Cold Crushing Strength</u>		
230°F (110°C)	1800-3000 lbs/in ²	(12.4-20.7 MPa)
1500°F (816°C)	1500-2500 lbs/in ²	(10.3-17.2 MPa)
<u>Thermal Conductivity (Mean Temp)</u>		
400°F (200°C)	<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
800°F (420°C)	3.44	0.50
1200°F (650°C)	3.80	0.55
1600°F (870°C)	4.19	0.60
	4.58	0.66
<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"	