



TECHNICAL DATA - TYPICAL
INSULATING CASTABLES
THERMOLITE 25GSC

(Gunned Data)

Classification	An extra strength medium lightweight low iron 2500°F insulating castable suitable for gunning applications		
Service Limit	2500°F	(1370°C)	
Dry Weight Required to Place 1 cu. ft. (m ³)	100 lbs	(1600 Kg)	
<u>Linear Change on Heating</u>			
230°F	(110°C)	Nil %	
1500°F	(816°C)	-0.1 to -0.3%	
2300°F	(1260°C)	-0.5 to -1.0%	
<u>Cold Crushing Strength</u>			
230°F	(110°C)	2500-5000 lbs/in ²	(17.2-34.5 MPa)
1500°F	(816°C)	1500-4000 lbs/in ²	(10.3-27.6 MPa)
<u>Thermal Conductivity (Mean Temp)</u>			
400°F	(204°C)	<u>Btu/ft²•Hr•°F/in</u>	<u>W/mK</u>
800°F	(427°C)	3.06	0.44
1200°F	(649°C)	3.16	0.46
		3.50	0.50
<u>Chemical Analysis</u>			
Silica	SiO ₂	37.6%	
Alumina	Al ₂ O ₃	40.7%	
Iron	Fe ₂ O ₃	1.3%	
ASTM Designation	C401 Class "Q"		