SPAR, Inc.

REFRACTORIES
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SPARCAST LC 28
PRODUCT INFORMATION

SPARCAST LC 28 is a low moisture, low cement castable engineered for vibration casting. It is designed for service temperatures up to 3000°F.

PHYSICAL PROPERTIES

Maximum Service Temperature	3000°F
Dry Castable Requirement	145-150 lbs./cu.ft.
Mix Water Required: Vibrating	4.0-5.5
Bulk Density after 230°F	145-150 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1000-1650 lbs/sq.in.
After Heating to 1500°F	1800-2100 lbs/sq.in
After Heating to 2250°F	1800-2500 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	7000-10000 lbs/sq.in.
After Heating to 1500°F	12000-16000 lbs/sq.in
After Heating to 2250°F	12000-16000 lbs/sq.in
Linear Change, %	
After Drying at 230°F	0.0 to -0.1
After Heating to 1500°F	0.0 to -0.1
After Heating to 2250°F	0.0 to +0.4
Erosion Resistance (ASTM C704)	Typical: 7 – 8 cc loss

Typical Chemical Analysis, %	
Al_2O_3	55.0
SiO_2	40.7
CaO	1.0
TiO_2	1.9
Fe_2O_3	0.9
MgO	0.2
Alkalies	0.3

The above are average results and do not constitute a specification.

SPARCAST LC 28 is available in 50# and 100# bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE