

FEDCAST 85 B PRODUCT INFORMATION

FEDCAST 85 B is a high purity, low moisture, low cement, vibrating castable.

PHYSICAL PROPERTIES

Maximum Service Temperature	3200°F
Dry Castable Requirement	172 lbs./cu.ft.
Mix Water Required: Vibrating	6.0
(% by Weight) Ramming	5.5
Bulk Density after 230°F	170-175 lbs./cu.ft
Modulus of rupture	
After Drying at 230°F	1600-2200 lbs/sq.in..
After Heating to 1500°F	2000-2300 lbs/sq.in
After Heating to 2250°F	2250-3200 lbs/sq.in
Cold Crushing Strength	
After Drying at 230°F	14000-18000 lbs/sq.in.
After Heating to 1500°F	18000-21000 lbs/sq.in
After Heating to 2250°F	14000-21000 lbs/sq.in.
Linear Change, %	
After Drying at 230°F	0.0 to -0.5
After Heating to 1500°F	0.0 to -0.2
After Heating to 2250°F	0.0 to -0.5
Erosion Resistance (ASTM C704)	Less than 6 cc loss. (Typical: 4 – 5 cc loss)
Typical Chemical Analysis, %	
Al ₂ O ₃	84.0
SiO ₂	9.6
CaO	3.0
TiO ₂	2.0
Fe ₂ O ₃	1.0
MgO	0.1
Alkalies	0.3

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

FEDCAST 85 B is available in 50# & 100# bags or 1000#, 2000#, and 3000# bulk bags, palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE