



PRODUCT DATA

Brand Name: REF CAST 90 FS LC

Description: A low cement, fused silica based castable of exceptional purity, high strength and very good dimensional stability. It has unique resistance to thermal shock and spalling, as well as to most acid slags.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 2000°F (1093°C)

Typical Water Required for Mixing (by weight) :

Vibration Cast 5.5 - 6.0%

	Vibration Cast Data	
<u>Bulk Density (pcf)</u>		
After 1500°F (815°C)	118	(1.89 g/cm ³)
<u>Modulus of Rupture (psi)</u>		
After 230°F (110°C)	1350	(95 kg/cm ²)
After 1500°F (815°C)	1600	(112 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
After 230°F (110°C)	-0.1	
After 1500°F (815°C)	-0.1	

Typical Chemical Analysis (%)

(Calcined Basis)

Silica (SiO ₂)	93.4
Alumina (Al ₂ O ₃)	4.4
Lime (CaO)	1.8
Other	0.4

Standard Packaging: 2000# Totes

Recommended Storage:

Store in a cool dry area and protect from freezing. Carefully follow recommended mixing, curing and initial heat-up procedures. Avoid contact with molten metal until

Brand Code: 2456

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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