



TECHNICAL DATA SHEET

JET CAST 66 is a high alumina, low porosity, low cement castable specifically developed for shotcreting torpedo ladles.

JET CAST 66 has high hot strength and is resistant to slag and metal attack. Is also has thermal expansion at high temperatures.

SERVICE TEMPERATURE: 3100°F
 MATERIAL REQUIRED FOR ESTIMATING: 153 lbs./cu. ft.
 PUMPING WATER: 5.5-6.5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
65.9	29.3	0.9	1.8	0.1	1.5	0.2	0.4

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,830	4,925	Nil
1500	2,265	5,650	-0.3
2000	2,400	8,440	-0.4
2500	2,425	6,400	+0.7
2700	2,752	9,918	+0.7
3000	4,685	11,650	+0.3

Coefficient of Thermal Expansion: 2.92E⁻⁶ in/in/°F

HOT MOR @2500°F : 1,690 psi
 HOT MOR @2750°F : 705 psi
 USS Thermal Shock: 1,1,1,1,1

PACKAGING: 2000 lb. bulk bags, 2 per pallet (4000 lbs)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.