



RENO REFRACTORIES, INC

RENO CAST 8067 EF

TECHNICAL DATA SHEET

RENO CAST 8067 EF is a high alumina ultralow cement castable. It demonstrates high strengths and resists abrasion and erosion at elevated temperatures. Low porosity reduces penetration and reaction by molten metal, oxide and slag. Applications include ladles and delta sections.

SERVICE TEMPERATURE: 3200°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.
CASTING WATER: (approx.) approx. 5 – 6%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	Alkalies	Other
79 – 81	17	0.5	0.6	0.1	1 – 2	0.3	0.4

TYPICAL PHYSICAL PROPERTIES

Pre-fired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %	Porosity %	Hot MOR psi
250	1,650 – 2,090	6,500 – 8,400	0.1	--	--
1500	2,200 – 2,870	10,000 – 13,500	-0.2	16.8	--
2500	2,115 – 2,600	8,670 – 13,200	+0.3	--	1,045
2750	2,000 – 2,500	9,000 – 14,300	+0.9	15.9	365
2960	1,955	--	+0.2	--	--

ABRASION LOSS AFTER 1500°F: <5 cc

PACKAGING: 55 lb. Bags, 72 per Pallet (3960 lbs.)

157400 – 9/8/15

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.

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