



# SEMICAST L35

**Description:** High Strength, Low Thermal Conductivity, Excellent volume stability. Recommended for Various industrial furnaces, Chemical & Petrochemical Industries and as backup for other refractories. suitable for greater mechanical abuse and higher temperatures. Combines good strength with high insulating value

<b>Type of Material:</b>	Light Weight Fireclay Based Conventional Castable
<b>Bonding System:</b>	Hydraulic
<b>Raw Material Base:</b>	Chamotte – High Quality Cement- Lightweight aggregates
<b>Max Service Temperature:</b>	1250 <sup>o</sup> C
<b>Installation Method:</b>	Casting - Troweling
<b>Grain Size:</b>	0-5 mm
<b>Dry Material Required:</b>	1.5 ton/m <sup>3</sup>
<b>Drinking Water Required on site:</b>	30-33%

## Main Chemical Composition based on Raw Materials

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO
32-35	43-45	6-8	11-13

## Physical Properties

	Bulk Density (gr/cm <sup>3</sup> )	PLC (%)	CCS (Mpa)	MOR (Mpa)
After Drying @ 110 <sup>o</sup> C/24 hrs.	<1.30	-	>25	10-20
After Firing @ 1250 <sup>o</sup> C / 3 hrs.	<1.25	-1	>25	10-20

**Drying and Heating:** Hold for 24 hours before removing molds, dry at 110<sup>o</sup>C for 24-36 hours. heating to working temperature at 25-50<sup>o</sup>C/h.

**Packing:** 25 kg Multi wall water proof sacks. Palletized 48 sacks per pallets. Protected with stretch wrap.

**Storage:** Beyond 9 months is not recommended. Store in dry location.

*Note: The above-mentioned data represent typical values obtained from current production using ASTM standard and are subject to normal variation or individual tests. This result cannot be considered min or max for specific purposes.*



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