



# PALAR-SANAT-CO

## TECHNICAL DATA

### PLC-90cr

PRODUCT TYPE	High alumina dense refractory castable Low cement castable :
Main component	Bauxite & Tabular Alumina
Type of bond	hydraulic
Maximum service temperature	1800 C°
Installation method	casting - vibration
Storage	3 month
Packing	25 Kg sacks
grain size	0 - 6 mm
Water required for mixing on site	5 - 6 litres per 100 Kg of dry material

PRODUCT PROPERTIES	VALUES	UNITS
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### CHEMICAL ANALYSIS ( Calcined basis)

Al <sub>2</sub> O <sub>3</sub>	Min	90	%
SiO <sub>2</sub>	Max	2.5	%
Fe <sub>2</sub> O <sub>3</sub>	Max	0.8	%
CaO	Max	1.6	%
Cr <sub>2</sub> O <sub>3</sub>	Min	2.5	

### PHYSICAL PROPERTIES

Bulk density	Max	2.9	gr/cm <sup>3</sup>
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### Cold crushing strength (c.c.s)

after 5 hr drying at 110 C°	Min	800	Kg/cm <sup>2</sup>
after 5 hr firing at 1200 C°	Min	1100	Kg/cm <sup>2</sup>