



AZAR SHAHAB REFRACTORIES CO.

ARCAST A80SiC10LCC

General Properties

Classification	High Alumina Castable
Description	Low Cement Hydraulic Bonded Refractory Castable
Raw Material Basis	Tabular Alumina/ SiC
Bond	Hydraulic
Installing Method	Casting / Vibrating
Packaging	25 kg net weight multi proof sacks
Storage Life (Month)	9
Grain Size (mm)	Max 6
Water Required (%)	4-6

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)	SiC (%)
80	6.5	0.5	2.5	10

Physical & Thermal Properties

Maximum Service Temperature (°C)	1840
Bulk Density at 110 °C (gr/cm³)	2.85-3.05
Cold Crushing Strength (kg/cm²)	
After Drying at 110 °C	900-1100
After Firing at 1400 °C.....	1000-1200
Permanent Linear Change (%)	
After Drying at 110 °C	Negligible
After Firing at 1000 °C	(-0.2) to (+0.1)

All data subject to reasonable deviation and therefore, should not be used for specification purposes.

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