



ISO 9001:2008



AZAR SHAHAB REFRACTORIES CO. ARCAST A50MCC

General Properties

Classification	Alumina Castable
Description	Medium Cement Hydraulic Bonded Refractory Castable
Raw Material Basis	Bauxite
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 (%)	11-13

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
48-50	42	1.5	3

Physical & Thermal Properties

Maximum Service Temperature (°C)	1395
Bulk Density at 110 °C (gr/cm³)	2.2-2.3
Cold Crushing Strength (kg/cm²)	
After Drying at 110 °C	350-450
After Firing at 1400 °C.....	400-500
Permanent Linear Change (%)	
After Drying at 110 °C	Negligible
After Firing at 1000 °C	(-0.3) to (+0.2)

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

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