



AZAR SHAHAB REFRACTORIES CO.

ARCAST A50LD

General Properties

Classification	Insulating Castable
Description	Light Weight Hydraulic Bonded Refractory Castable
Raw Material Basis	Bauxite
Bond	Hydraulic
Installing Method	Casting / Vibrating
Packaging	20 kg net weight multi proof sacks
Storage Life (Month)	9
Grain Size (mm)	Max 5
Water Required (%)	17-20

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
50	33	1.5	9

Physical & Thermal Properties

Maximum Service Temperature (°C)	1350
Bulk Density at 1000°C (gr/cm³)	1.50-1.70
Cold Crushing Strength (kg/cm²)	
After Firing at 1000 °C	30-50
After Firing at 1300 °C.....	40-60
Permanent Linear Change (%)	
After Drying at 110 °C	(-0.3) to (-0.1)
After Firing at 1000 °C	(-0.8) to (-0.4)

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

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