



AZAR SHAHAB REFRACTORIES CO.

ARCAST LW94B

General Properties

Classification	Insulating Castable
Description	Light Weight Hydraulic Bonded Refractory Castable
Raw Material Basis	Bubble Alumina
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 (%)	16-18

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
93	2	0.3	4.3

Physical & Thermal Properties

Maximum Service Temperature (°C)	1700
Bulk Density at 1000°C (gr/cm³)	1.40-1.60
Cold Crushing Strength (kg/cm²)	
After Drying at 110 °C	90-120
After Firing at 1450 °C.....	100-150
Permanent Linear Change (%)	
After Drying at 110 °C	(-0.3) to (-0.1)
After Firing at 1000 °C	(-0.6) to (-0.2)
Thermal Conductivity (w/m²K)	
After Firing at 1000 °C.....	1.25
After Firing at 1400 °C.....	1.15

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

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