



AZAR SHAHAB REFRACTORIES CO.

ARCAST 15E

General Properties

Classification	Insulating Castable
Description	Light Weight Hydraulic Bonded Refractory Castable
Raw Material Basis	Diatomite
Bond	Hydraulic
Installing Method	Casting / Vibrating
Packaging	25 kg net weight multi proof sacks
Storage Life (Month)	9
Grain Size (mm)	Max 5
Water Required (%)	45-55

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
13	65	5.5	14

Physical & Thermal Properties

Maximum Service Temperature (°C)	1250
Bulk Density at 1000°C (gr/cm³)	1.10-1.30
Cold Crushing Strength (kg/cm²)	
After Drying at 110 °C	25-35
After Firing at 1000 °C.....	15-25
Permanent Linear Change (%)	
After Drying at 110 °C	(-0.3) to (-0.1)
After Firing at 1000 °C	(-1) to (-0.4)
Thermal Conductivity (w/m^{°K}) at 800 °C	0.36

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

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