



AZAR SHAHAB REFRACTORIES CO.

ARCAST 10E

General Properties

Classification	Insulating Castable
Description	Light Weight Hydraulic Bonded Refractory Castable
Raw Material Basis	Perlite
Bond	Hydraulic
Installing Method	Casting / Vibrating
Packaging	20 kg net weight multi proof sacks
Storage Life (Month)	9
Grain Size (mm)	Max 4
Water Required (%)	45-65

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
27	29	12	25

Physical & Thermal Properties

Maximum Service Temperature (°C)	1055
Bulk Density at 1000°C (gr/cm³)	0.75-0.85
Cold Crushing Strength (kg/cm²)	
After Drying at 110 °C	7-17
After Firing at 1000 °C.....	5-15
Permanent Linear Change (%)	
After Drying at 110 °C	(-0.6) to (-0.2)
After Firing at 800 °C	(-1) to (-0.6)
Thermal Conductivity (w/m^{°K}) at 800 °C	0.16

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

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