Alumina Castable 92% Al2O3 P-CAST-A92

Castables & Ramming Mixes

Material type: Dense refractory concrete (Conventional Castable)
Raw material basis: Tabular alumina

Al2O3	Bulk density	Grain size	Cold crushing strength (1…
91 – 93 %	2.7 – 2.9 g/cm³	0 – 8 mm	Min. 500 kg/cm²

Applications

- High-temperature zones of furnaces in the steel, petrochemical and cement industries
- Precast shapes and refractory blocks for severe service

Chemical analysis

Component	Value	Unit
Al_2O_3	91 – 93	%
MgO	Max. 0.3	%
CaO	3 – 4.5	%
Fe_2O_3	Max. 0.6	%
TiO_2	Max. 0.8	%
SiO_2	Max. 3	%

Physical properties

Property	Value	Unit
Bonding system	Hydraulic	
Grain size	0 – 8	mm
Maximum service temperature	1750	°C
Bulk density	2.7 – 2.9	g/cm³
Cold crushing strength (110 °C)	Min. 500	kg/cm²
Cold crushing strength (800 °C)	Min. 300	kg/cm²
Cold crushing strength (1100 °C)	Min. 500	kg/cm²

Packaging & storage

Packaging: 25 kg bags (dry mix, water is added on site)
Shelf life: 6 months (dry, cool, frost-free place)

Notes

Installation: casting with vibration; water addition and drying according to the manufacturer's instructions.

The values in this datasheet are typical results of laboratory tests on production samples and do not constitute a guaranteed specification. Consult the Pas Espadana technical team for your specific application.

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