

Low Cement Alumina Castable 95% Al₂O₃ P-CAST-A95L

Castables & Ramming Mixes

Material type: Dense refractory concrete (Low Cement Castable)

Raw material basis: Tabular alumina and special additives



Al₂O₃

94 – 96 %

Bulk density

2.9 – 3 g/cm³

Grain size

0 – 8 mm

Cold crushing strength (...)

Min. 700 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 ₂ O ₃	94 – 96	%
MgO	Max. 0.3	%
CaO	1 – 2.5	%
Fe ₂ O ₃	Max. 0.6	%
TiO ₂	Max. 0.8	%
SiO ₂	Max. 2	%
Alkalis (Na ₂ O + K ₂ O)	Max. 0.2	%
Loss on ignition (L.O.I.)	Approx. 0.02	%

Physical properties

Property	Value	Unit
Bonding system	Hydraulic	
Grain size	0 – 8	mm
Maximum service temperature	1800	°C
Bulk density	2.9 – 3	g/cm ³
Cold crushing strength (110 °C)	Min. 700	kg/cm ²
Cold crushing strength (1100 °C)	Min. 500	kg/cm ²

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.