

Insulating Alumina Castable 40% Al₂O₃ P-CAST-A40In

Castables & Ramming Mixes

Material type: Insulating castable (Conventional Castable)

Raw material basis: Lightweight chamotte



Al₂O₃

Min. 40 %

Bulk density

Approx. 1.4 g/cm³

Grain size

0 – 5 mm

Cold crushing strength (...)

150 – 200 kg/cm²

Applications

- Back-up insulation layers of furnaces and thermal equipment
- Reducing heat loss through furnace walls, roofs and floors

Chemical analysis

Component	Value	Unit
Al ₂ O ₃	Min. 40	%
CaO	8 – 12	%

Physical properties

Property	Value	Unit
Bonding system	Hydraulic	
Grain size	0 – 5	mm
Maximum service temperature	1250	°C
Bulk density	Approx. 1.4	g/cm ³
Cold crushing strength (110 °C)	150 – 200	kg/cm ²

Packaging & storage

Packaging: 30 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.