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CAST AL HT

Dense refractory concrete

TECHNICAL DATA SHEET

Main Component :	Alumina - Bauxite	
Maximum use temperature:	[°C]	1300
Melting point:	[°C]	1550
Average grain size:	[mm]	0÷6
Chemical analysis:	[%]	Al ₂ O ₃ +TiO ₂ : 79 - 80
	[%]	CaO: 1 - 2
	[%]	SiO ₂ : 6.5 – 7.5
	[%]	BaO: 13 - 14
Water quantity:	[L/100 kg secco]	7.5÷8.5
Density after drying at 1000 °C:	[kg/m ³]	2700
Thermal expansion at 1000 °C:	[%]	0.90
Expansion (+) or shrink (-) after firing at:	[%]	500 [°C]: 0
	[%]	900 [°C]: 0
Compressive strength after curing:	[N/mm ²]	34,32
Compressive strength after firing at:	[N/mm ²]	500 [°C]: 39,23
	[N/mm ²]	900 [°C]: 58,84
Application:	Vibration casting	
Drying and firing:	The suitable curve of drying and sintering will be available on request.	

NOTES:

Packing: Polythene bags of 25 kg on pallets of 1000÷1500 kg

Preservation: 12 months in its own packing and far from heat sources

Main appliances:

- Coating of aluminium furnaces
- Coating of aluminium runners
- Coating of ladles

Considering the quality of the raw materials, there can be slight differences in the above data which do not commit our technical department. We reserve the right to change some of the above data without previous information and according to our unobjectionable judgement.