Monolithic Refractories for EAF

Data Sheet

Item		Corundum castable for roof	Refractory pre-cast shapes for roof	Tap hole fillers	Dry ramming mix for bottom	Gunning mix
Al_2O_3 % ≥		82	82	—	—	—
MgO % ≥		—	—	50	80	>86
CaO % ≤		2.0	2.0	—	4～10	
SiO_2 % ≤		—	—	35～40	2.0	—
Fe_2O_3 %		—	—	—	4～10	—
Cr_2O_3 %		—	2～5	—	—	—
Bulk density（g/cm^3）≥	110℃×24h	2.9	2.9	—	2.3（Packing density）	2.2
	1600℃×3h	2.9	—	—		—
C.C.S. (MPa) ≥	110℃×24h	30	30	—	—	60
	1600℃×3h	40	—	—	80	—
M.O.R.(MPa) ≥	110℃×24h	6.0	6.0	—	—	—
	1600℃×3h	8.0	—	—	—	4.0
Max. service temperature（℃） ≥		1750	—	—	—	—
Refractoriness (℃)		—	—	1710~1750	—	—
Grain size distribution (%)		—	—	>6mm,≤10	—	<3mm,≥90 <1mm,≥35 <0.074mm,≥20
Linear change after heating (%)		0.2～0.6 （1600℃×5hrs）	—	—	—	0.0～0.4 （1500℃×3hrs）
Application		Used for in situ casting or pre-casting for tri-angle area of UHP EAF roof		Used to fill the tap hole of EBT	Used for dry ramming of UHP EAF bottom	Used for slag zone gunning of EAF

Note: Technical Data are typical results from test pieces. This information, subject to change, is offered solely for your consideration. Users of our products should make their own tests to determine the suitability of each product for their particular purposes.

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