



Monolithic Refractories for Ladle and Tundish

Data Sheet

Item		Alumina magnesium castable	Alumina spinel castable	Magnesium calcium gunning		Painting material for tundish	Alumina magnesium drying vibrating castable for tundish		Current regulator
				CPL-1	CPL-2		CD	CGD	
Al ₂ O ₃	% ≥	70	72	—	—	—	—	—	—
MgO	% ≥	9	10	75-80	70-80	60-85	50-85	50-70	75
CaO	% ≤	—	—	5-10	2-10	—	—	—	6.0
SiO ₂	% ≤	10	9	4	10	—	—	—	—
SiO ₂ + Fe ₂ O ₃ + Al ₂ O ₃ % ≤									10
Bulk density ≥	g/cm ³	—	—	—	—	2.0	—	—	2.85
C.C.S. (MPa) ≥	110℃×24hrs	60	90	—	—	5.0	—	—	80
	1500℃×3hrs	80	100	—	—	8.0	8.0	8.0	—
M.O.R.(MPa) ≥	110℃×24hrs	8	11.5	—	—	—	—	—	—
	1500℃×3hrs	13	11.5	—	—	—	—	—	—
Refractoriness (℃) ≥		—	—	1790	1790	—	—	—	—
Grain size (mm) ≤		—	—	—	—	3	—	—	—
Permanent linear change	1500℃×2hrs	-0.1~0.2	-0.2~0.35	—	—	—	—	—	—
	1500℃×3hrs	—	—	—	—	-2.5~-1.0	—	—	—
Life time (hr)		—	—	—	—	10-40	10-60	10-40	—

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.