



Monolithic refractories for electric power

Data Sheet

Item		Abrasion resistant castable			Abrasion resistant plastic			Abrasion resistant castable			Abrasion resistant plastic		
		CDMA1	CDMA2	CDMA3	CDKA1	CDKA2	CDKA3	CDMS1	CDMS2	CDMS3	CDKS1	CDKS2	CDKS3
Al ₂ O ₃	% ≥	45	60	75	45	60	75	---	---	---	---	---	---
SiC	% ≥	---	---	---	---	---	---	50	60	75	50	60	75
Fe ₂ O ₃	% ≤	2											
CaO	% ≤	2			1			2			1		
Bulk density kg/m ³) ≥ 110℃×24h		2500											
C.C.S. (MPa) ≥	110℃×24h	60	70	90	50	60	80	60	70	90	50	60	80
	1000℃×3h	80	90	110	75	80	100	80	90	110	75	80	100
M.O.R. (MPa)≥	110℃×24h	10	11	13	8	9	11	10	11	13	8	9	11
	1000℃×3h	11	12	15	11	13	15	11	12	15	11	13	15
Permanent linear change	1000℃×3h	±0.5											
Thermal shock resistance (≥)	900℃-water (cycle)	25											
Abrasion resistance (cm ³) ≤	900℃×3h	10	8	5	10	8	5	10	8	5	10	8	5
Refractoriness (℃) ≥		1700	1740	1780	1700	1740	1780	1700	1740	1780	1700	1740	1780
Plasticity index (%)		---			15-40			---			15-40		
Application		Abrasion resistant linings for CFB and the like											

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.