

HIGH ALUMINA BRICKS / MATTONI AD ALTO TENORE DI ALLUMINA / BRIQUES A HAUTE TENEUR EN ALUMINE / HOCH TONERDEREICHE STEINE

BRAND NAME	CHEMICAL ANALYSIS %		MAIN COMPONENTS	BD g/cm ³	AP %	CCS MPa	PLC °C %		LTE °C %		RUL (T0,5) °C	TC W/mK	NOTE
SIRMA COR 70 A	Al ₂ O ₃	71,0	Corundum	2,65	16	70	1600	0	1600	1,2	1650	1,9-0,00017T °C	CO Resistant
	Fe ₂ O ₃	0,7	Andalusite										
SIRMA COR 90	Al ₂ O ₃	88,0	Corundum	3,20	12	120	1500	0,5	1500	1,5	1660	2,2+0,0006T °C	Chemically Bonded and Fired
	Fe ₂ O ₃	0,3											
SIRMA COR 85 CR	Al ₂ O ₃	82,0	Corundum	3,30	11	120	1500	0,5	1500	1,5	1660	2,2+0,0006T °C	Chemically Bonded and Fired
	Fe ₂ O ₃	0,2	Chrome Oxide										
	Cr ₂ O ₃	4,0											
SIRMA COR 85 Z CR 5	Al ₂ O ₃	85,0	Corundum	3,45	12	110	1500	0,5	1500	1,5	1660	2,2+0,0006T °C	Chemically Bonded and Fired
	Cr ₂ O ₃	5,0	Chrome Oxide										
	ZrO ₂	3,5	Zirconium Oxide										
SIRMA COR 80 Z CR 10	Al ₂ O ₃	80,0	Corundum	3,55	12	125	1500	0,5	1500	1,5	1660	2,2+0,0006T °C	Chemically Bonded and Fired
	Cr ₂ O ₃	10,0	Chrome Oxide										
	ZrO ₂	4,0	Zirconium Oxide										
SIRMA COR 100	Al ₂ O ₃	99,5	White Corundum	3,30	16	90	1600	0	1600	1,2	1800	4,1-0,0006T °C	High Purity
	Fe ₂ O ₃	0,1											
SIRMA 95 AT	Al ₂ O ₃	90,0	Tabular Alumina	3,00	14	150	1600	0	1600	1,3	1750	3,5-0,0006T °C	High Purity
	Fe ₂ O ₃	0,1											
SIRMA 99 AT	Al ₂ O ₃	96,5	Tabular Alumina	3,20	14	150	1600	0	1600	1,3	1700	4-0,0006T °C	High Purity
	Fe ₂ O ₃	0,1											

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BD: Bulk density
Densità apparente
Masse volumique apparente
Rohdichte

AP: Apparent porosity
Porosità apparente
Porosité ouverte
Offene Porosität

CCS: Cold crushing strength
Resistenza a compress. a freddo
Résistance à l'écrasement à froid
Kaltdruckfestigkeit

PLC: Permanent linear change
Variazione lineare permanente
Variation permanente de dimensions
Bleibende lineare Längeränderung

LTE: Linear thermal expansion
Dilatazione lineare termica
Dilatation thermique linéaire
Lineare Wärmedehnung

RUL: Refractoriness under load
Resistenza alla termopress.
Affaissement sous charge
Druckfeuerbeständigkeit

TC: Thermal conductivity
Conducibilità termica
Conductivité thermique
Wärmeleitfähigkeit