

SILICA BRICK FOR COKE OVENS

PRODUCT NAME			KD	KN	
APPLICATION			OVEN WALL	OVEN WALL/ROOF, REGENERATOR	
CHEMICAL COMPOSITION	SiO ₂	%	95.0	94.5	
			1.0	1.0	
	Al ₂ O ₃	%	1.5	2.0	
			0.3	0.3	
	Fe ₂ O ₃	%	1.0	1.0	
			0.2	0.2	
	CaO	%	3.0	3.0	
			0.35	0.35	
	Na ₂ O + K ₂ O	%	0.35	0.35	
			0.02	0.02	
	Cold Compressive Strength (KDF)		N/mm ³	35	28
				10	10
25 min				20 min	
Apparent Porosity (Po)		%	22.0	24.5	
			1.3	1.3	
Refractoriness under Load, Ta		° C	1650	1640	
			25	25	
Creep-in Compression (1450 ° C, 20-50 hrs, 0.2 MPa)		%	0.35	0.35	
			0.1	0.1	
Residual Quartz Content		%	1.5	1.5	
			0.5	0.5	

The above data are typical properties. The data is subject to reasonable variations in manufacturing and should not be used for specification purposes.