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REFRACTORY BRİCKS

	Chemical Analysis					Bulk Density	Porosity	Cold Crushing Strength	Refractoriness under load
Qualities	SiO_2	Al_2O_3	Fe_2O_3	CaO	ZrO_2	g/cm³	%	Mpa	°C
Silica									
Silica	96	0,7	0,5	2,5	-	1,83	21	35	1680
Fused Silica	97-98	0,7	0,2	0,5-1,0	-	1,8	21	23	1670
Silica İnsulation 0.6	91-92	2,0	1,0	4 - 6	-	0,61	>50	1	1600
Silica İnsulation 0.8	92-93	2,0	1,0	4 - 6	-	0,82	>50	3	1600
Silica İnsulation 1.0	93-94	2,0	1,0	4 - 6	-	1,0	>50	4	1600
Fireclay									
Fireclay 35	-	≥35	≤2,0	-	-	2,1	≤19	30	1400
Fireclay 40	-	≥40	≤1,8	-	-	2,2	≤19	30	1440
Fireclay 45	-	≥43	≤1,5	-	-	2,3	16	40	1500
Mullite									
Mullite 55	40	≥55	1,2	-	-	2,5	16	50	1550
Mullite 60	37	≥60	1,0	-	-	2,6	16	55	1600
Mullite 65	35	≥65	0,8	-	-	2,6	17	65	1600
Fused Mullite	24	75	0,2	-	-	2,65	17	80	1700
Zircon									
Zircon	33	-	0,3	-	≥64	3,6	20	80	1650
Zircon Mullite	20	60	0,2	-	20	3,0	17	100	1700
Ceramic Bonded AZS	15	46	0,2	-	36	3,2	19	100	1700
Electrofused AZS									
33	16	47	-	-	≥32	3,8	1,5	350	1700
36	14	48	-	-	≥35	3,9	1,5	350	1700
41	13	45	-	-	≥40	4,0	1,5	350	1700
Insulating Bricks									
Diotomie	76	10	6	1	-	0,45	78	1	950
Grade 23	46	38	1,0	13	-	0,5	≥45	1	1260
Grade 24	48	≥ 40	1,3	-	-	0,7	≥45	4	1320
Grade 26	41	51	1,1	-	-	0,8	≥45	4	1400
Grade 28	30	65	1,0	-	-	1,0	≥45	6	1540
Insulating Materials									

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Calcium silicate	45	0,3	0,3	46	-	0,25	91	2	1000
Fiber Blanket	54	46	-	-	-	0,13	-	-	1260

The above technical information represents average values. These data serves to give general information. They are not guarenteed specifications.