

SILICA SAND FLOUR

1. APPLICATION

№	FUNCTION	GRADES					
		MPK 73	KB 150	KB 125	KB 90	KB 71	KB 53
1	SUSPENSIONS FOR INVESTMENT CASTING	+	-	-	+/-	+	+
2	RAMMING MIXES FOR INDUCTION FURNACES	+	+	+	+/-	+/-	-

2. CHARACTERISTICS

№	SIEVE LIGHT OPENING, mm	GRANULOMETRY DIN, BY GRADES, %					
		MPK 73	KB 150	KB 125	KB 90	KB 71	KB 53
1	0.200	-	0.5	-	-	-	-
2	0.160	-	1.5	0.5	-	-	-
3	0.125	max 1.0	5.5	2.0	0.5	-	-
4	0.090	-	10.0	5.5	4.5	0.5	0.2
5	0.071	max 3.0	25.5	10.0	8.0	3.0	1.0
6	0.063	max 5.0	23.0	6.0	7.0	4.0	1.5
7	0.056	-	-	-	-	-	1.8
8	0.040	max 12.0	20.0	15.0	15.0	8.0	5.5
9	< 0.040	88.0	15.0	61.0	65.0	84.5	90.0
	H ₂ O % max	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0	0.5 - 1.0
	SiO ₂ %	min 99	97 - 98	97 - 98	97 - 98	98 - 99	98 - 99
	MgO+K ₂ O+CaO+Na ₂ O	< 1.0	< 1.5	< 1.5	< 1.5	< 1.0	< 1.0

RAMMING MIXES FROM SILICA SAND

1. APPLICATION – FOR REFRACTORY LINING OF INDUCTION FURNACES.

2. CHARACTERISTICS

№	SIEVE LIGHT OPENING, mm	GRANULOMETRY DIN, BY GRADES, %				
		PK 2	0.3 – 1.8	PK 3	1.0 – 2.0	1PK1.0
1	4.000	-	-	-	-	
2	3.000	-	-	max 2.0	max 0.8	
3	2.000	max 2.0	max 0.2	1.0 – 5.0	2.0 – 10.0	max 10.0
4	1.600	0.1 – 0.2	0.5 – 1.0	2.0 – 10.0	5.0 – 20.0	15.0 – 25.0
5	1.250	0.5 – 1.0	5.0 – 10.0	10.0 – 20.0	45.0 – 65.0	30.0 – 50.0
6	1.000	1.0 – 20.0	10.0 – 15.0	15.0 – 25.0	10.0 – 20.0	
7	0.800	5.0 – 20.0	10.0 – 20.0	15.0 – 25.0	0.5 – 5.0	20.0 – 35.0
8	0.630	15.0 – 30.0	10.0 – 20.0	20.0 – 30.0	0.2 – 2.0	max 15.0
9	0.400	15.0 – 50.0	10.0 – 15.0	max 10.0	max 5.0	
10	0.315	5.0 – 15.0	1.0 – 5.0			
11	0.250	max 15.0	max 2.0			
	D ₅₀ mm	0.50 – 0.70	0.60 – 0.80	0.90 – 1.10	1.20 – 1.50	1.0 – 1.6
	H ₂ O % max	0.5	0.5	0.5	0.5	0.5
	SiO ₂ %	97 - 98	97 - 98	97 - 98	97 - 98	98 - 99
	MgO+K ₂ O+CaO+Na ₂ O	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0