Amberger Kaolinwerke

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FELDSPAR I CHAMOTTE I QUARTZ
GRADING I POWDER

		Felspar FS 700	Felspar FS 900 S	Felspar FS 900 SF	Felspar FS 900 L	Felspar FS 930 L	Felspar FS 960 L	Chamotte AS 45	Quartz*
Chemical analysis									
SiO_2	%	67,6	66,1	67,2	65,9	66,5	66,9	54,9	97,9
Al_2O_3	%	17,4	17,7	17,1	17,8	18,2	18,8	42,4	1,1
Fe_2O_3	%	0,12	0,04	0,038	0,04	0,05	0,06	0,5	0,02
TiO_2	%	0,47	0,03	0,035	0,04	0,02	0,01	0,3	0,04
CaO	%	0,02	0,03	0,03	0,03	0,60	1,15	0,03	0,02
MgO	%	0,03	0,01	0,02	0,01	0,01	0,01	0,15	0,03
Na_2O	%	0,55	0,82	0,77	0,83	2,82	4,93	0,03	0,01
K_2O	%	12,80	14,50	14,20	14,63	11,00	7,56	1,40	0,62
L.O.I.	%	0,80	0,30	0,20	0,20	0,30	0,30	0,00	0,20
Mineralogical analysis									
Total feldspar	%	80	93	89	94	93	93		4
Potassium feldspar	%	75	86	83	87	66	44		
Sodium feldspar	%	5	7	6	7	24	43		
Calcium feldspar	%					3	6		
Kaolinite	%	5	2	1	2	2	2		
Quartz	%	15	5	10	4	5	5	2	96
Cristobalite	%							1	
Mullite	%							45	
Firing temperature									
	°C							1380	
Water absorption									
	%							14	

Amberger Kaolinwerke – a strong and reliable partner

AMBERGER KAOLINWERKE EDUARD KICK GMBH & CO. KG, based in Hirschau, Germany is an internationally active group of companies focusing on mining, processing, and refining of the mineral raw materials kaolin, feldspar, and quartz sand. Europe's second largest kaolin company, which primarily supplies the paper, ceramics, glass, and construction industries, has over 100 years of experience and technical expertise.

Feldspar grading		Felspar FS 700	Felspar FS 900 S	Felspar FS 900 SF	Felspar FS 900 L
Screnn analysis DIN 66165					
> 1,0 mm	%		0,1		0,1
0,5-1,0 mm	%	0,1	1	0,1	30
0,1-0,5 mm	%	4	85	4,9	70
0,040-0,1 mm	%	55	13	58	0,1
<0,040 mm	%	41	1	37	

Feldspar powder		No. 3	No. 6	No. 8	No. 10	No. 14
Dry screen residue DIN 53734						
> 100 µm	%	10				
> 90 µm	%	18	5			
> 71 µm	%	25	10	3		
> 63 µm	%	34	18	8	3	
> 40 µm	%	48	35	20	10	4,5

Kaolin-Chamotte grading AS 45		No. 0-1	No. 0,5-1	No. 0-0,5
Screnn analysis DIN 66165				
> 1,25 mm	%	1	1	
1,0-1,25 mm	%	8	14	
0,5-1,0 mm	%	33	79	2
0,1-0,5 mm	%	38	6	68
< 0,1 mm	%	20		30

Kaolin-Chamotte powder AS 45		No. 4.900	No. 6.400	No. 10.000
Dry screen residue DIN 53734				
> 100 µm	%			
> 90 µm	%	6		
> 71 µm	%	12	5	
> 63 µm	%	16	7	4
> 40 µm	%	32	22	12

Quartz powder*		No. 1.600	No. 2.500	No. 3.600	No. 4.900	No. 6.400	No. 10.000	No. 10.000/2	No. 16.900
Dry screen residue DIN 53734									
> 160 µm	%	3							
> 125 µm	%	7	3						
> 100 µm	%	14	7	3					
> 90 µm	%	19	11	5	3				
> 71 µm	%	28	19	13	10	3			
> 63 µm	%	32	23	17	14	5	3	1	
> 40 µm	%	50	40	36	32	21	19	11	2

*** QUARTZ**
Quarzwerke Group produce a wide range of quartz products (grading and grinding).
For more details, please contact us.

The above data represent averages determined on the basis of our knowledge and experience. However, all information offered is and shall remain nonbinding. Issue 11/07