



PRODUCT SHEET

Title	MIKAO® Calcined kaolin of the SUPER serie
STANDARD	TU 5729-10-40705684-2005
Grades	MIKAO® 04-98 03-98 02-98
Manufacturer	GEOKOM, ZAO, Russia, Kaluga oblast, p. Polotnyaniy Zavod, ul. Slobodka, 111A, tel/fax (+08434) 32412, 46006
Product description	fine dry powder of the bright white color
Mineral formula	aluminium silicate (kaolin dehydrated)
Chemical formula	
	Al ₂ O ₃ 43÷47%
	SiO ₂ 50÷54%
	Fe ₂ O ₃ < 0,5%
	Water-soluble salts < 0,1%
Physical and other parameters	
	Density, g/cm ³ 2,5÷2,6
	Hardness (Mohs) 3,0÷4,0
	Refractive Index 1,62
	pH Index 6,0÷8,0
	Humidity, % < 0,1
	Losses on ignition (550° C, 1 hour) < 0,5

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Technological quality parameters MIKAO® calcined kaolin of the SUPER serie

Parameter	MIKAO®		
	04-98	03-98	02-98
Fraction of total mass of screening residue №0045, (ISO 787/5), %	0,01	0,01	0,00
Top cut, % (Microsizer-201A):			
less 20 µm	95		
less 15 µm	90	95	
less 10 µm	80	85	98
less 5 µm	55	60	90
less 2 µm	20	25	50
Average particle size distribution, µm (Microsizer-201A):			
medium (D ₅₀)	4	3	2
maximum (D ₉₈)	22	17	10
minimum (D ₁₀)	1,1	1.0	0,7
Chromatic preferences:			
whiteness CIELab (ISO 787/1, C/2°), %	98,5	98,5	98,5
lightness (L) CIELab, %	99,5	99,5	99,5
brightness DIN 53163 (R _v , C/2°), %	99,3	99,3	99,3
yellowness ASTM D1925-70 (C/2°), %	3,2	3,2	3,2
brightness ISO 2470 (R ₄₅₇), %	96,5	96,5	96,5
whiteness ISO 11475 (D ₆₅ /10°), %	92	92	92
Oil absorption (ISO 787/5), g/100 g	38	41	52
DOP-absorption (ISO 787/5), g/100 g	49	53	65
Density (ISO 787/11), g/cm ³ after packing	0,5÷0,6 0,6÷0,7	0,5÷0,6 0,6÷0,7	0,5÷0,6 0,6÷0,7

Package:

- Plastic bags 250, 1000 kg;
- Valvular paper bags 10, 50 kg on pallets (up to 1200 kg) using special protective materials for transportation.

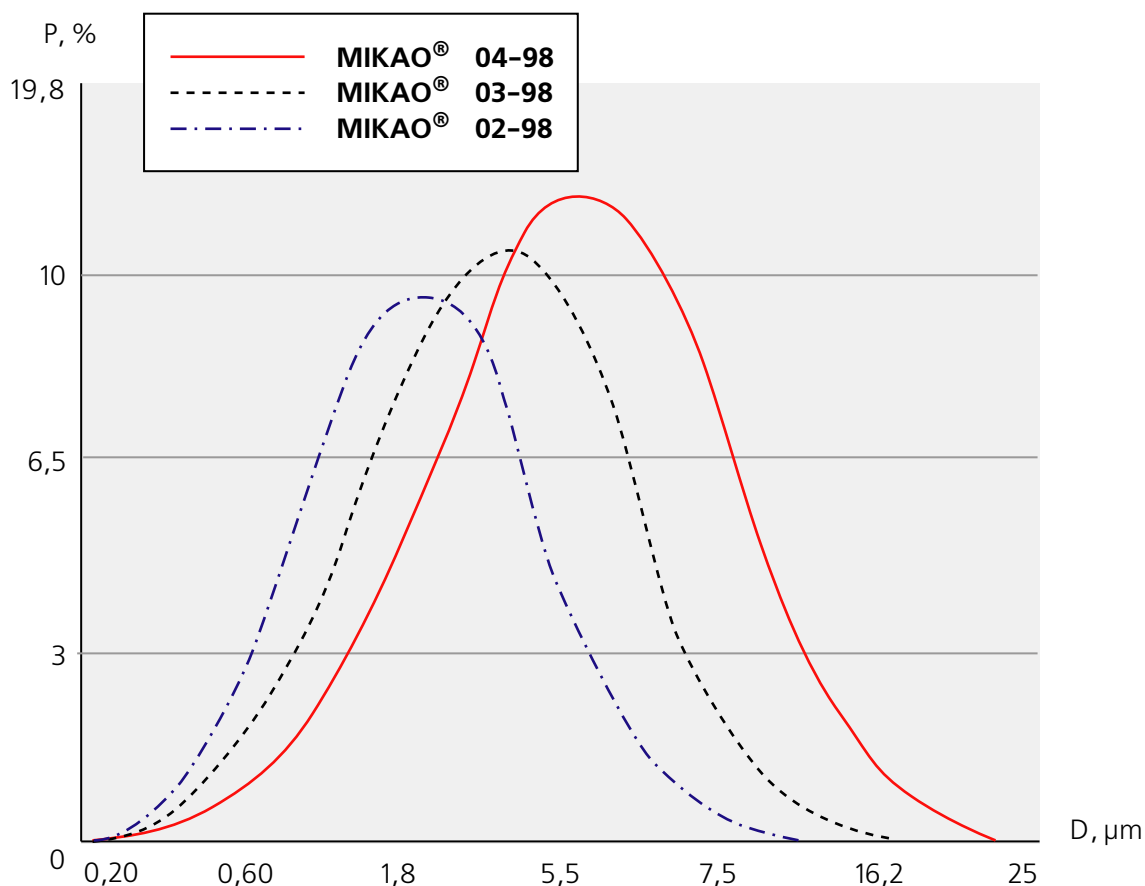
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Typical weights distribution



The technical data listed corresponds to actual production regulations and are confirmed by regular tests made by the manufacturer. It is typical to the maximum, but can not be construed as an obligatory specification. It is subject of testing if intolerable transportation or after-sale storage conditions have been supposed. This technical information can be corrected without any prior notices because of new production technologies or state regulations.

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