



PRODUCT SHEET

Title	MIKAO® Calcined kaolin series "SUPER"
STANDARD	TU 5729-10-40705684-2005
Grades	MIKAO® 03-98 02-98
Manufacturer	GEOKOM, Russia, Kaluga region, set. Polotnyaniy Zavod, st. Slobodka, 111, tel/fax +748434 46006, 44816, 44817
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

Packaging:

- polypropylene containers with polyethylene liners, 250-1000 kg each;
- paper valve bags of 10-50 kg on pallets (up to 1200 kg) using transport protection materials





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Typical technological quality parameters MIKAO® calcined kaolin series "SUPER"

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





GEOKOM

ENGINEERING
FILLERS

MIKAO®

CALCINED KAOLIN SERIES "SUPER"

MICARB® MIDOL® MITAL® MIBARI® MIWOLL® FRAMICA® FRAMITEX® FRAMIAL® FRAMILIT® FRAMIX® MIKAO®

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Typical weights distribution

The technical information provided here corresponds to the current production regulations, is confirmed by regular factory tests of the products, is as typical as possible, but should not be interpreted as a mandatory specification. It is subject to verification also if there are assumptions about unacceptable conditions of transportation and after-sale storage of products. This technical information may be updated without prior notice due to the introduction of new modes and production technologies, as well as the implementation of the relevant restrictions imposed by the state.

