

**MIKAO®****FRACTIONATED KAOLIN
OF THE STANDARD SERIE****PRODUCT SHEET**

Title	MIKAO® Fractionated kaolin of the STANDARD serie
Standard	TU 5729-010-40705684-2005
Grades	MIKAO® 15-90 10-90 05-90 03-90 02-90
Manufacturer	GEOKOM, ZAO, Russia, Kaluga oblast, p. Polotnyaniy Zavod, ul. Slobodka, 111A, tel/fax (+08434) 32412, 46006
Product description	fine dry powder of the white color, tint is allowable
Mineral formula	aluminium hydrosilicate

Chemical formula

Al_2O_3	35÷37%
SiO_2	48÷50%
Fe_2O_3	< 0,8%
Water-soluble salts	< 0,15%

**Physical and other
parameters**

Density, g/cm ³	2,5÷2,6
Hardness (Mohs)	1,5÷2,0
Refractive Index	1,62
pH Index	6,0÷9,0
Humidity, %	< 0,1
Losses on ignition	< 15%

№90K01



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Parameter	MIKAO®				
	15-90	10-90	05-90	03-90	02-90
Fraction of total mass of screening residue №0045, (ISO 787/5), %	2,0	0,5	0,1	0,05	0,01
Top cut, %, (Microsizer-201A), laser difraction:					
less 20 µm	60	75	85	90	99
less 10 µm	40	55	65	80	95
less 5 µm	25	40	50	70	85
less 2 µm	15	20	25	35	50
Average particle size distribution, µm (Микросайзер-201А):					
medium (D ₅₀)	15	10	5	3	2
maximum (D ₉₈)	75	50	40	30	15
minimum (D ₁₀)	1,4	1,2	1,1	1,0	0,8
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	90	90	91	91	90
lightness (L) по CIELab, %	94	94	95	95	93
brightness DIN 53163 (R _v , C/2°), %	86	87	88	88	84
yellowness ASTM D1925-70 (C/2°), %	13	13	13	13	12
brightness ISO 2470 (R ₄₅₇), %	77	78	78	78	75
whiteness ISO 11475 (D ₆₅ /10°), %	54	55	55	55	53
Oil absorption (ISO 787/5), g/100 g	41	43	45	47	50
DOP-absorption (ISO 787/5), g/100 g	46	50	53	55	56
Density (ISO 787/11) , g/cm ³	0,3	0,25	0,23	0,2	0,18

Package:

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

The technical data listed corresponds to actual production reglaments and are confirmed by regular tests madeby 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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