

## 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**Product description** fine dry powder of the white color, tint is allowable**Mineral formula** aluminium hydrosilicate**Chemical formula** $\text{Al}_2\text{O}_3$  35÷37% $\text{SiO}_2$  48÷50% $\text{Fe}_2\text{O}_3$  < 0,8%

Water-soluble salts &lt; 0,15%

**Physical and other  
parameters**Density, g/cm<sup>3</sup> 2,5÷2,6

Hardness (Mohs) 1,5÷2,0

Refractive Index 1,62

pH Index 6,0÷9,0

Humidity,% &lt; 0,1

Losses on ignition &lt; 15%

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### Technological quality parameters Fractionated kaolin MIKAO® of the STANDARD serie

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-201A):					
medium (D <sub>50</sub> )	15	10	5	3	2
maximum (D <sub>98</sub> )	75	50	40	30	15
minimum (D <sub>10</sub> )	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) no CIELab, %	94	94	95	95	93
brightness DIN 53163 (R <sub>y</sub> , C/2°), %	86	87	88	88	84
yellowness ASTM D1925-70 (C/2°), %	13	13	13	13	12
brightness ISO 2470 (R <sub>457</sub> ), %	77	78	78	78	75
whiteness ISO 11475 (D <sub>65</sub> /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 <sup>3</sup>	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 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.