



PRODUCT SHEET

Title MICARB®
Fractionated micromarble
of the STANDARD serie

Standard TU 5716-003-40705684-2001

Grades MICARB® 400 | 160 | 100-1 | 100-2 | 60 | 40
10-96 | 07-96 | 05-96 | 03-96 | 01-96



MK 07-94 (since 2005 - MICARB® 07-96)

Manufacturer GEOKOM, ZAO, Russia, Kaluga oblast,
p. Polotnyaniy Zavod, ul. Slobodka, 111A,
tel/fax (+08434) 32412, 46006

Product description grainy or fine dry powder of the white color

Mineral formula crystalline calcium carbonate
/ calcite, marble / of the high purity

Chemical formula

CaCO ₃	98÷99%
MgCO ₃	0,5÷1,0%
Fe ₂ O ₃	0,05÷0,1%
Al ₂ O ₃	0,02÷0,05%
SiO ₂	< 0,5%
Water-soluble salts	< 0,2%

Physical and other parameters

Density, g/cm ³	2,7÷2,75
Hardness (Mohs)	2,5÷3,0
Abrasivity (ASTM 503-89)	10,3
Refractive Index	1,59
pH Index	9,2÷9,7
Humidity	<0,3

№096k-01





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**Technological quality parameters,
 MICARB® micromarble of the STANDARD serie**

Parameter	MICARB®				
	400	160	100-1	100-2	60
Fraction of Total Mass of screening residue, %:					
№04	0,5				
№025	7	0,2			
№016	20	2	0,5	0,5	
№01	55	15	5	10	0,5
№0063	≥60	≥35	25	40	5
№0045	≥80	≥70	40	50	15
Average particle size distribution, µm (Microsizer-201A):					
medium (D ₅₀)	100	60	45	50	35
maximum (D ₉₈)	350	160	130	150	70
minimum (D ₁₀)		9	7	8	6
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	95	95	95	95,5	96
brightness DIN 53163 (R _y , C/2°), %	89	89	89	91	91
Oil absorption (ISO 787/5), g/100 g		11	12	11	14
DOP-absorption (ISO 787/5), g/100 g		14	15	14	18
Density (ISO 787/11), g/cm ³ after packing	1,3÷1,4 1,4÷1,5	1,2÷1,3 1,3÷1,4	1,1÷1,2 1,3÷1,4	1,1÷1,3 1,3÷1,4	1,0÷1,2 1,1÷1,3

Package:

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

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**Technological quality parameters,
 MICARB® micromarble of the STANDARD serie**

Parameter	MICARB®					
	40	10-96	07-96	05-96	03-96	01-96
Fraction of Total Mass of screening residue, %:						
№0045	5	0,2	0,1	0,1	0,05	0,01
Top cut, % (Microsizer-201A):						
less 20 µm	60	84	90	92		
less 15 µm	50	70	80	85	95	
less 10 µm	30	50	60	75	85	98
less 5 µm	20	30	40	50	70	95
less 2 µm	5	15	17	30	40	60
Average particle size distribution, µm (Microsizer-201A):						
medium (D ₅₀)	15	10	7	5	3	1,7
maximum (D ₉₈)	50	32	28	23	18	10
minimum (D ₁₀)	5	1,8	1,3	1,0	0,9	0,8
Chromatic preferences:						
whiteness CIELab (ISO 787/1, C/2°), %	96,5	96,5	96,5	96,5	96,5	96
brightness DIN 53163 (R _y , C/2°), %	93	93	93	93	93	92
Oil absorption (ISO 787/5), g/100 g	15	17	20	22	24	28
DOP-absorption (ISO 787/5), g/100 g	20	24	28	30	36	43
Density (ISO 787/11) , g/cm ³ after packing	1,0÷1,2 1,1÷1,3	1,0÷1,1 1,1÷1,2	1,0÷1,1 1,1÷1,2	0,9÷1,0 1,0÷1,1	0,7÷0,8 0,8÷1,0	0,6÷0,7 0,7÷0,8

Package:

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

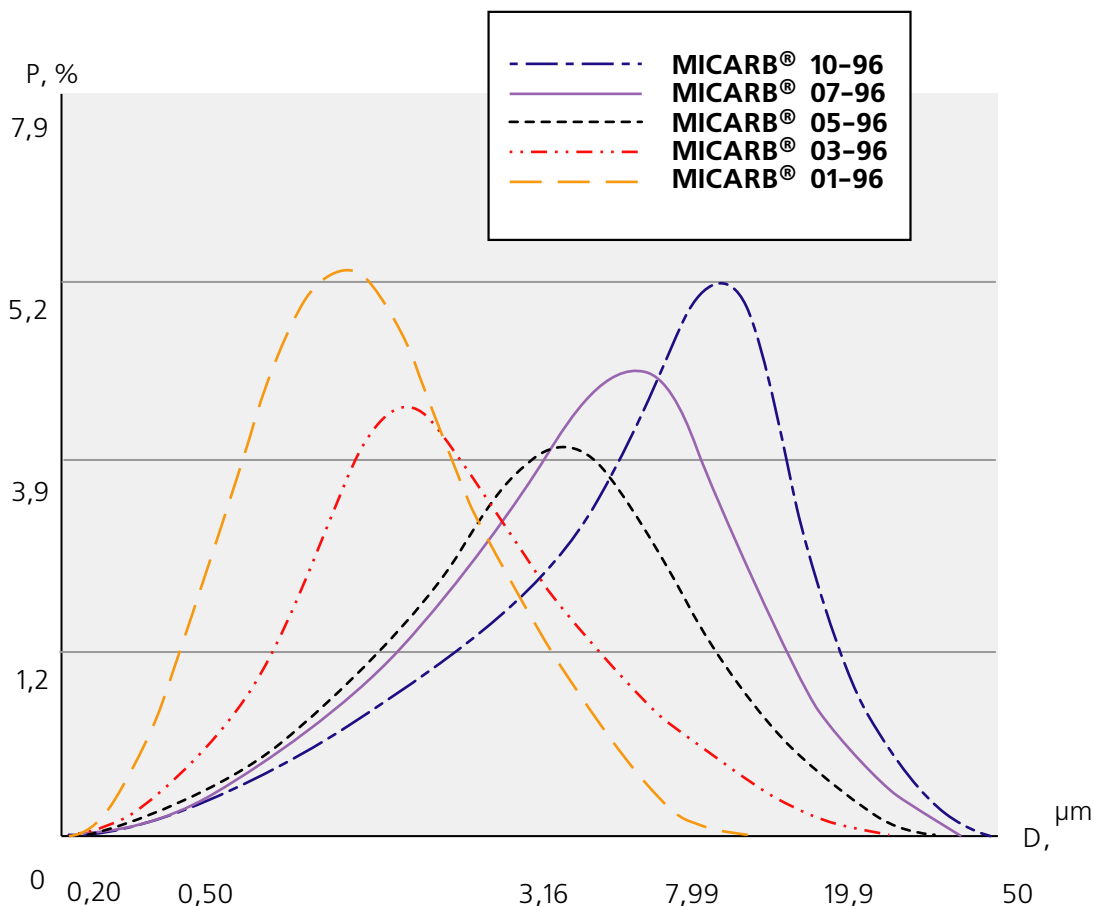
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Typical weights distribution



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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