

## PRODUCT SHEET

<b>Title</b>	<b>MICARB®</b> Fractionated micromarble of the SUPER serie
<b>Standard</b>	TU 5716-003-40705684-2001
<b>Grades</b>	MICARB® 50-98   35-98   15-98   10-98   07-98   05-98   03-98 02-98   01-98   95-98   30-99   10-99   07-99   05-99   03-99
<b>Product description</b>	grainy or fine dry powder of the bright white color
<b>Mineral formula</b>	crystalline calcium carbonate / calcite, marble / of the high purity
<b>Chemical formula</b>	
CaCO <sub>3</sub>	98÷99%
MgCO <sub>3</sub>	0,5÷1,0%
Fe <sub>2</sub> O <sub>3</sub>	0,02÷0,1%
Al <sub>2</sub> O <sub>3</sub>	0,01÷0,05%
SiO <sub>2</sub>	< 0,5%
Water-soluble salts	< 0,2%
<b>Physical and other parameters</b>	
Density, g/cm <sup>3</sup>	2,7÷2,75
Hardness (Mohs)	3
Refractive Index	1,59
pH Index	9,2÷9,7
Humidity	< 0,2

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**Technological quality parameters**  
**MICARB® micromarble of the SUPER serie, grade «99»**

Parameter	MICARB®					
	30-99	10-99	07-99	05-99	03-99	01-99
Fraction of total mass of screening residue N0045 (ISO 787/7), %	5	0,2	0,1	0,05	0,01	0,00
Top cut, % (Microsizer-201A):						
less 20 µm	15	84	90	92		
less 15 µm	10	70	80	85	95	
less 10 µm	5	50	60	75	85	98
less 5 µm		30	40	50	70	95
less 2 µm		15	17	30	40	60
Average particle size distribution, µm (Microsizer-201A):						
medium (D <sub>50</sub> )	30	10	7	5	3	1,7
maximum (D <sub>98</sub> )	60	32	28	23	17	10
minimum (D <sub>10</sub> )	6	1,8	1,3	1,0	0,9	0,8
Chromatic preferences:						
whiteness CIELab (ISO 787/1, C/2°), %	98,5	99	99	99	99	99
lightness (L) CIELab, %	99	99,5	99,5	99,5	99,5	99,5
brightness DIN 53163 (R <sub>y</sub> , C/2°), %	97	98,5	98,5	98,5	98,5	98,5
yellowness ASTM D1925-70 (C/2°), %	2	1,8	1,8	1,8	1,8	1,8
brightness ISO 2470 (R <sub>457</sub> ), %	96	97,5	97,5	97,5	97,5	97,5
whiteness ISO 11475 (D <sub>65</sub> /10°), %	92	94	94	94	94	94
Oil absorption (ISO 787/5), g/100 g	13	11	16	20	22	28
DOP-absorption (ISO 787/5), g/100 g	15	20	26	30	34	40
Density (ISO 787/11), g/cm <sup>3</sup>	1,0÷1,1	0,9÷1,0	0,9÷1,0	0,8÷0,9	0,7÷0,8	0,5÷0,6
after packing	1,1÷1,2	1,1÷1,2	1,1÷1,2	1,0÷1,1	0,8÷0,9	0,6÷0,7

**Package:**

- MKR with polyethylene inserts.
- Optional : valvular paper bags 10 ÷ 50 kg on pallets (to 1200 kg) using special protective materials for transportation.

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**Technical quality parameters**  
**MICARB® micromarble of the SUPER serie, grades «97»/«98»**

Parameter	MICARB®			
	50-98	35-98	15-98	10-98
Fraction of total mass of screening residue, %				
№01	5	0,3		
№0063	30	5	0,3	
№0045	50	15	5	0,2
Top cut, % (Microsizer-201A):				
less 20 µm			60	84
less 15 µm			50	70
less 10 µm			30	50
less 5 µm			20	30
less 2 µm			5	15
Average particle size distribution, µm (Microsizer-201A):				
medium (D <sub>50</sub> )	45	35	15	10
maximum (D <sub>98</sub> )	140	70	50	32
minimum (D <sub>10</sub> )	8	6	5	1,8
Chromatic preferences:				
whiteness CIELab (ISO 787/1, C/2°), %	97	97	97	97,5
lightness (L) CIELab, %	97	97	97,5	98
brightness DIN 53163 (R <sub>v</sub> , C/2°), %			92	93
yellowness ASTM D1925-70 (C/2°), %			2,2	2,2
brightness ISO 2470 (R <sub>457</sub> ), %			92	92,5
whiteness ISO 11475 (D <sub>65</sub> /10°), %			87	88
Oil absorption (ISO 787/5), g/100 g	12	14	15	11
DOP-absorption (ISO 787/5), g/100 g	14	16	17	20
Density (ISO 787/11), g/cm <sup>3</sup> after packing	1,1÷1,3 1,2÷1,4	1,1÷1,2 1,2÷1,3	1,0÷1,1 1,1÷1,2	0,9÷1,0 1,1÷1,2

**Package:**

- Polypropylene containers MKR with polyethylene inserts.
- Work load, kg: 1000 1000 1000 900
- Optional : valvular paper bags 10 ÷ 50 kg on pallets (to 1200 kg) using special protective materials for transportation.

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**Technical quality parameters**  
**MICARB® micromarble of the SUPER serie, grade «98»**

Parameter	MICARB®					
	07-98	05-98	03-98	02-98	01-98	95-98
Fraction of total mass of screening residue, %						
№0045	0,01	0,01	0,01	0,00	0,00	0,00
Top cut, % (Microsizer-201A):						
less 20 µm	90	95				
less 15 µm	80	85	95			
less 10 µm	60	75	85	98	99	
less 5 µm	40	50	70	85	95	99
less 2 µm	17	30	40	48	60	85
Average particle size distribution, µm (Microsizer-201A):						
medium (D <sub>50</sub> )	7	5	3	2,1	1,7	1,4
maximum (D <sub>98</sub> )	28	22	14	10	8	5
minimum (D <sub>10</sub> )	1,3	1,0	0,9	0,8	0,7	0,5
Chromatic preferences:						
whiteness CIELab (ISO 787/1, C/2°), %	97,5	97,5	98	98	98	98
lightness (L) CIELab, %	98	98	98,5	98,5	98,5	98,5
brightness DIN 53163 (R <sub>v</sub> , C/2°), %	95	95	95,5	95,5	95,5	95,5
yellowness ASTM D1925-70 (C/2°), %	2,2	2	2	2		2
brightness ISO 2470 (R <sub>457</sub> ), %	92,5	93	94	94	94,5	95
whiteness ISO 11475 (D <sub>65</sub> /10°), %	89	89	90	90	90	90
Oil absorption (ISO 787/5), g/100 g	16	20	22	24	28	32
DOP-absorption (ISO 787/5), g/100 g	26	30	34	36	40	46
Density (ISO 787/11) , g/cm <sup>3</sup> after packing	0,9÷1,0 1,1÷1,2	0,8÷0,9 1,0÷1,1	0,7÷0,8 0,8÷0,9	0,6÷0,7 0,7÷0,8	0,5÷0,6 0,6÷0,7	0,4÷0,5 0,6÷0,7

**Package:**

- Polypropylene containers MKR with polyethylene inserts.
- Work load, kg:           1000      900      900      700      500      500
- Optional : valvular paper bags 10 ? 50 kg on pallets (to 1200 kg) using special protective materials for transportation.

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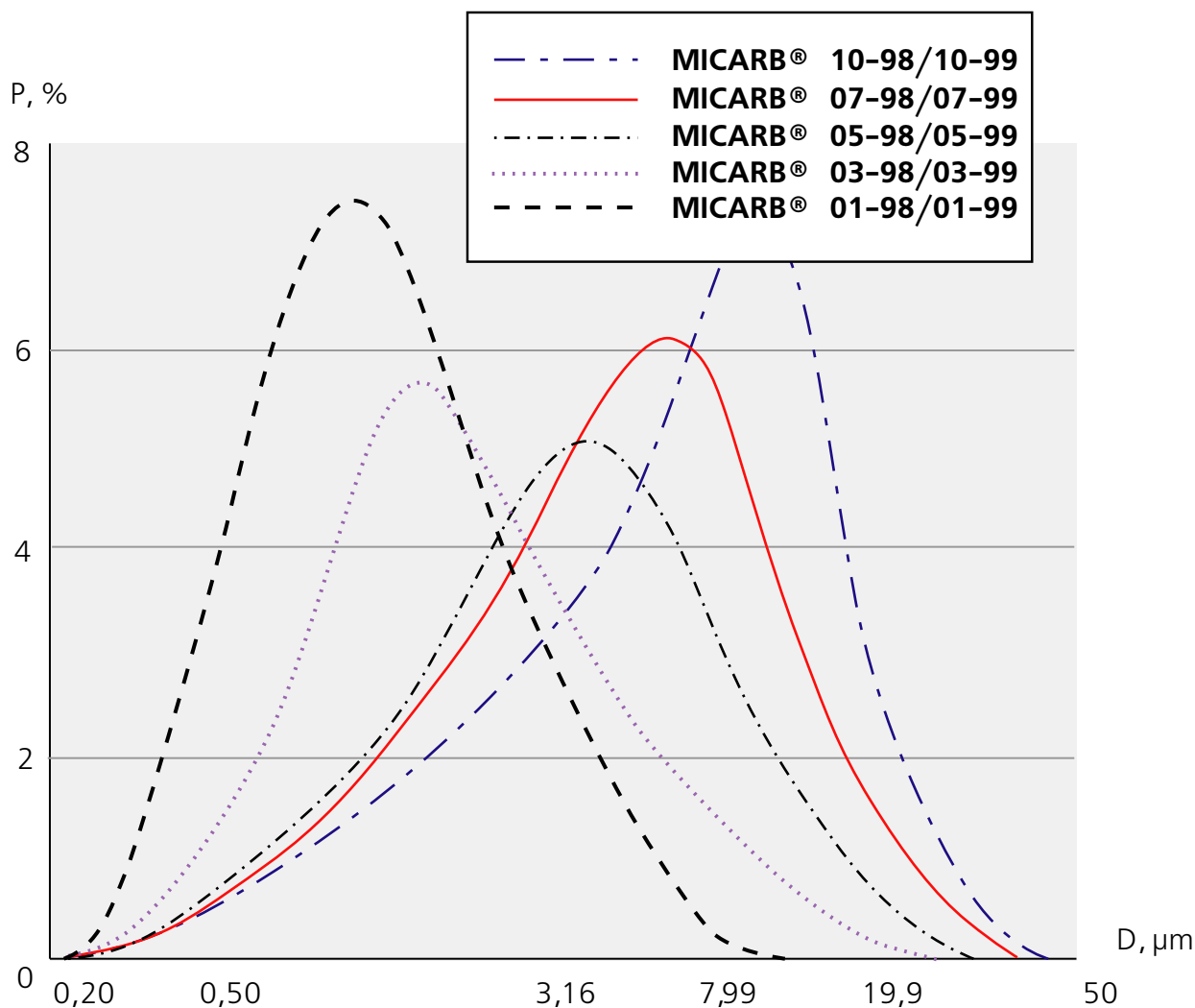
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## Typical weights distribution



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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