



GEOKOM

ENGINEERING
FILLERS

FRAMICA®

MICRONIZED MICA

MICARB® MIDOL® MITAL® MIBARI® MIWOLL® FRAMICA® FRAMITEX® FRAMIAL® FRAMILIT® FRAMIX® MICA0®

PRODUCT SHEET

Title	FRAMICA® Micronized mica
Standard	TY 5725-005-40705684-2001
Grades	FRAMICA® MS-40-80 MS-30-80 MS-20-80 MS-10-80 MS-03-80 MS-40-90 MS-30-90 MS-20-90 MS-10-90 MS-05-90 MS-03-90
Manufacturer	GEOKOM, Russia, Kaluga region, set. Polotnyaniy Zavod, st. Slobodka, 111, tel/fax + 748434 46006, 44816, 44817
Product description	fine dry powder of gray color
Mineral formula	mica-muscovite $KAl_2(OH,F)_2AlSi_3O_{10}$
Chemical formula	
	SiO ₂ 44÷50%
	Al ₂ O ₃ 27÷35%
	Fe ₂ O ₃ < 5%
	MgO < 2%
	K ₂ O > 8%
	Water-soluble salts < 0,2%
Physical and other parameters	
	Density, g/cm ³ 2,82
	Hardness (Mohs) 2,5÷3
	Refractive Index 1,58
	pH Index 8÷9
	Humidity 0,2÷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.

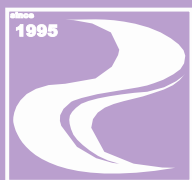
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ISO 9001

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Typical technological quality parameters of micromica FRAMICA®

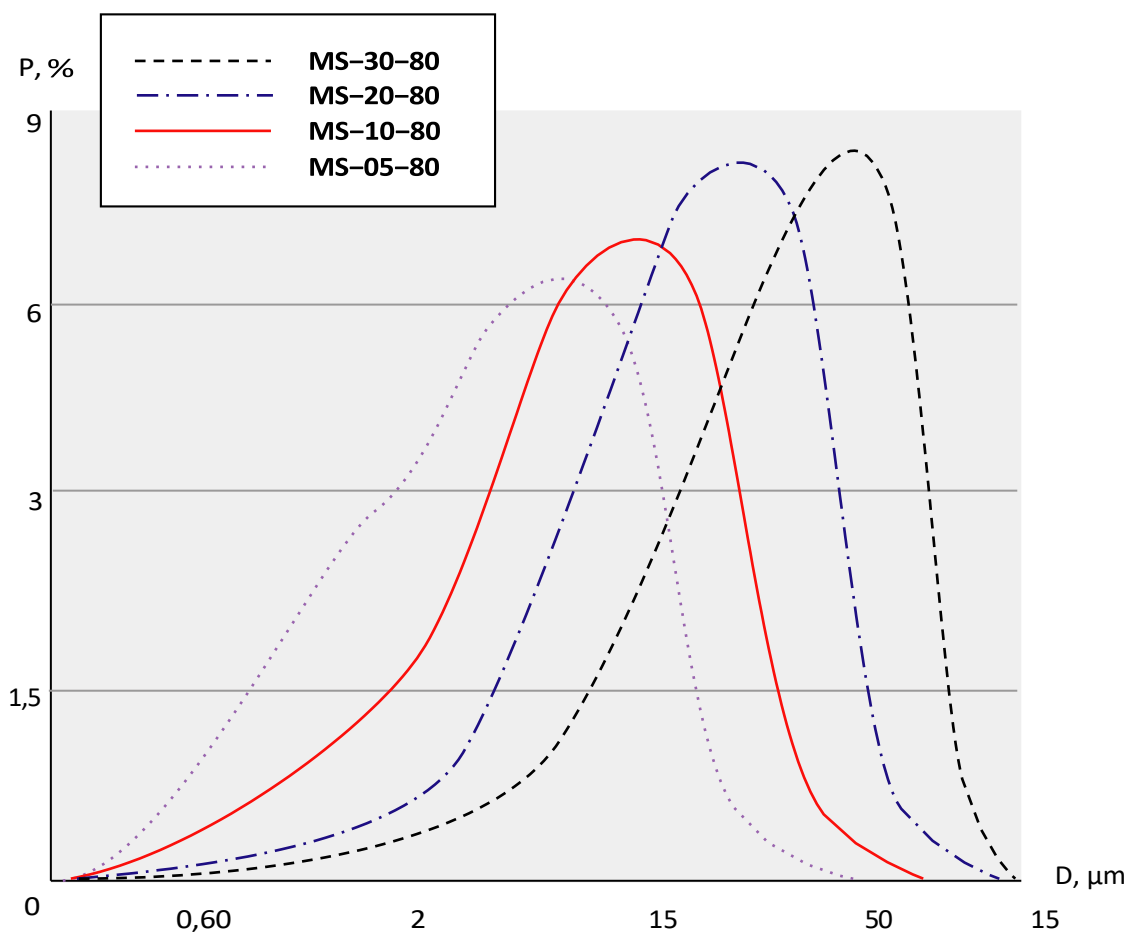
Parameter	Grades					
	MS-40-80 MS-40-90	MS-30-80 MS-30-90	MS-20-80 MS-20-90	MS-10-80 MS-10-90	MS-05-80 MS-05-90	MS-03-80 MS-03-90
Whiteness CIELab (ISO 787/1, C/2°), %	80/88	80/88	80/88	80/88	80/88	80/88
Typical characteristic proportion	25:1	25:1	30:1	35:1	17:1	14:1
Typical particle sizes, µm						
length	75	60	45	35	12	7
thickness	3	2,5	1,5	1	0,7	0,5
Fraction of total mass of screening residue, %						
№0063	15	5	0,1			
№0045	30	15	5	0,5	0,01	0,01
Mass fraction of particles with an equivalent sphere diameter, %, size (Microsizer-201A):						
less 40 µm	55	65	80	85		
less 20 µm	15	20	45	55	90	95
less 10 µm	6	7	15	35	60	75
less 5 µm	2	3	7	15	35	55
Average particle size distribution, µm (Microsizer-201A):						
medium (D ₅₀)	45	35	22	15	7	4
maximum (D ₉₈)	150	100	75	50	30	28
minimum (D ₁₀)	90	8	4	2	1,3	0,9
Density (ISO 787/11), g/cm ³						
after packing	0,6	0,5	0,4	0,4	0,3	0,3
	0,7	0,6	0,6	0,5	0,4	0,4
Oil absorption (ISO 787/5), g/100 g	25	30	35	40	45	50
DOP-absorption (ISO 787/5), g/100 g	35	40	45	50	60	65





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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.

