

PRODUCT SHEET

Title	FRAMICA® Fractionated micromica
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
Product description	fine dry powder of the 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

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Technological quality parameters of the fractionated 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
Top cut, % (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

Package:

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

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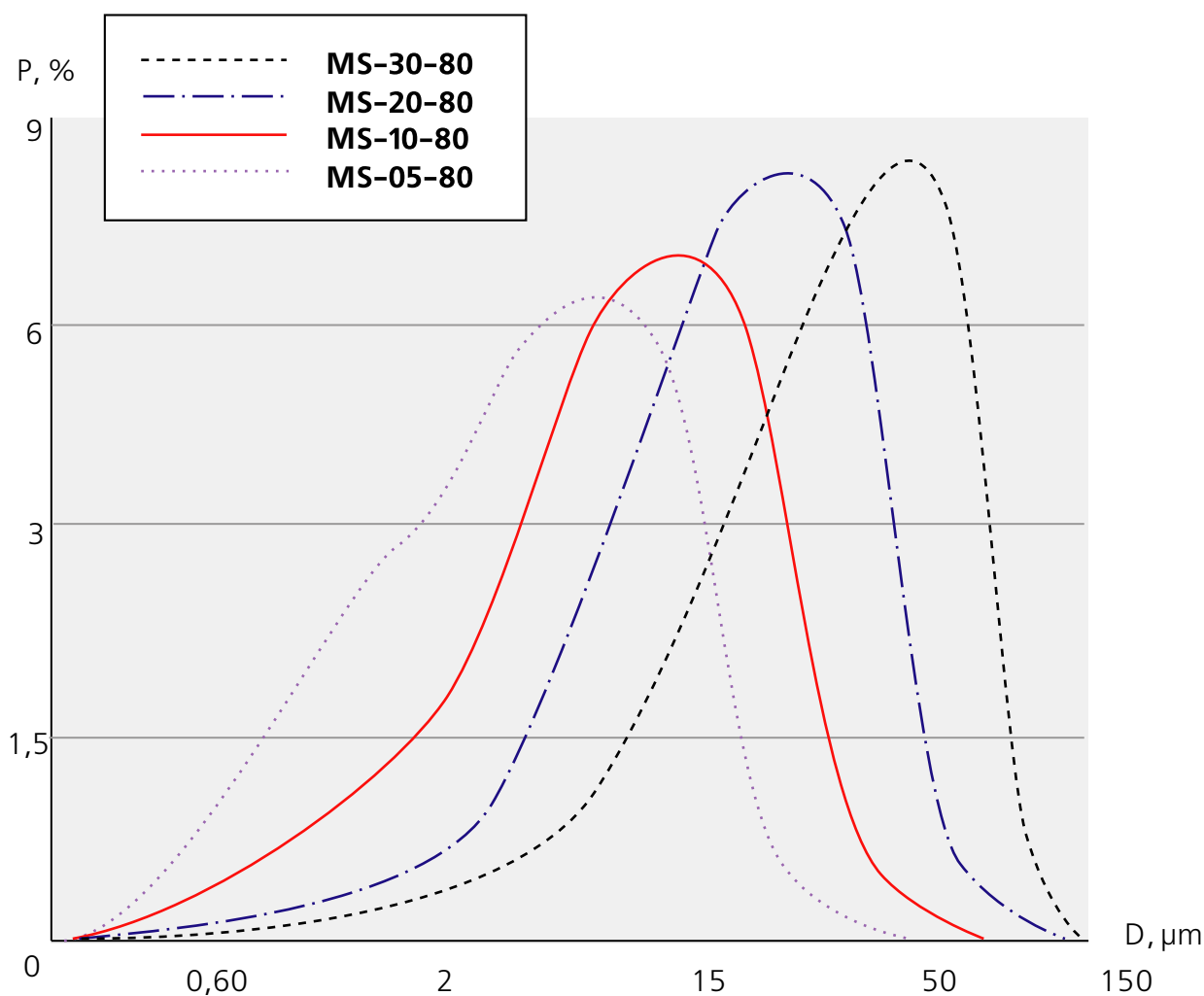
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Typical weights distribution



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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