

PRODUCT SHEET

Title	MIBARI® Fractionated microbarite of the STANDARD serie
Standard	TU 1770-002-40705684-2001
Grades	MIBARI® 15-80 10-80 05-80 03-80 01-80
Product description	fine dry light powder with gray or yellow tint
Mineral formula	barite / natural barium sulphate
Chemical formula	
	BaSO ₄ 90÷95%
	CaCO ₃ 0,5÷1%
	Fe ₂ O ₃ 0,3÷0,7%
	SiO ₂ 1,5÷2,5%
	Water-soluble salts < 0,2%
Physical and other parameters	
	Density, g/cm ³ 4,1÷4,3
	Hardness (Mohs) 3÷3,5
	Refractive Index 1,64
	pH Index 8÷9
	Humidity < 0,2

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Technological quality parameters
MIBARI® microbarite of the STANDARD serie

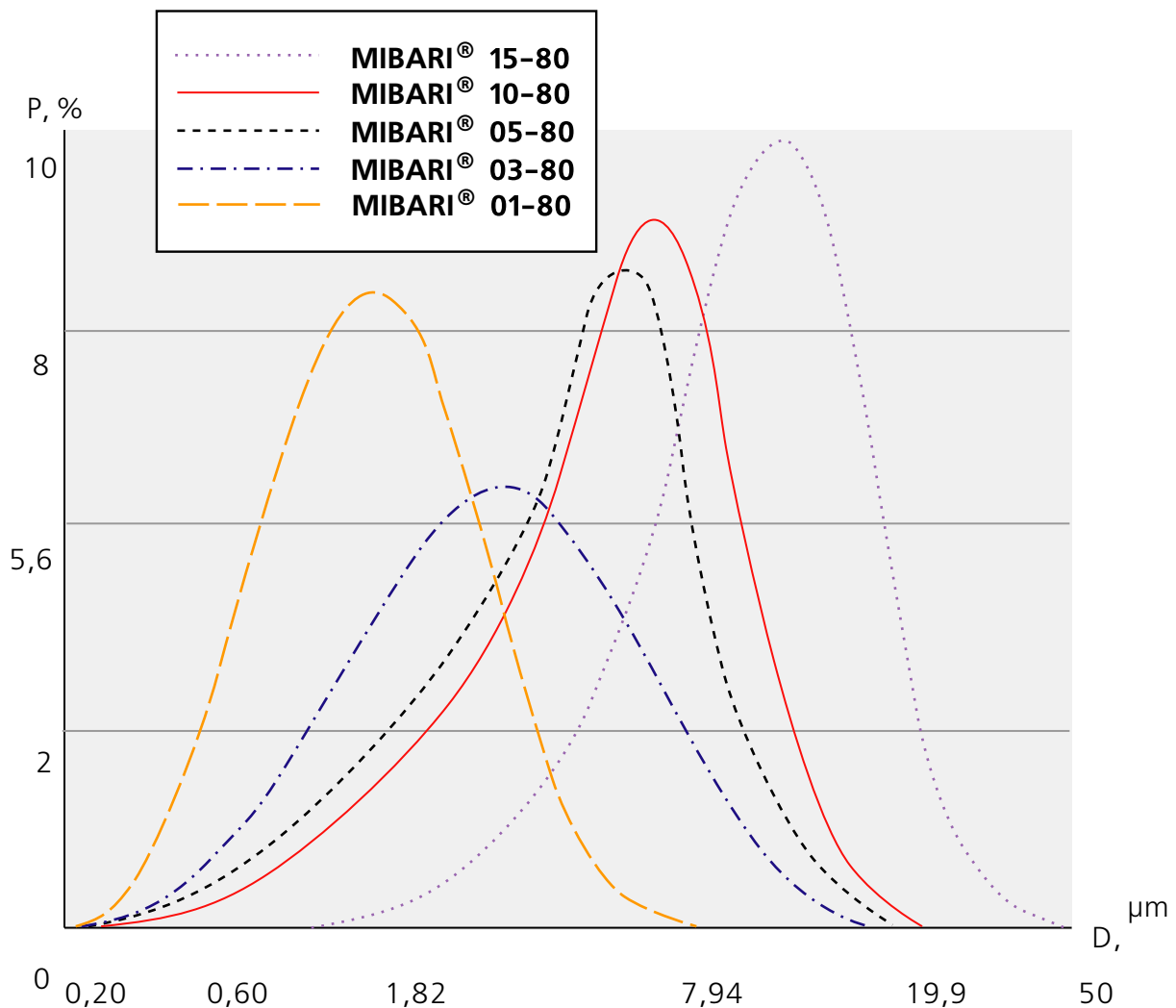
Parameter	MIBARI®				
	15-80	10-80	05-80	03-80	01-80
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	80	80	80	80	80
brightness DIN 53163 (R _y , C/2°), %	65	65	65	65	65
Fraction of total mass of screening residue, %					
№0045	5	0,3	0,1	0,05	0,00
Top cut, % (Microsizer-201A):					
less 20 µm	80	85	95	99	
less 15 µm	50	70	85	95	
less 10 µm	40	50	70	85	98
less 5 µm	25	35	50	65	90
less 2 µm	15	20	25	35	55
Average particle size distribution, µm (Microsizer-201A):					
medium (D ₅₀)	15	10	5	3	1,7
maximum (D ₉₈)	50	28	20	14	10
minimum (D ₁₀)	4,5	1,8	1	0,9	0,7
Oil absorption (ISO 787/5), g/100 g	7	9	11	12	14
DOP-absorption (ISO 787/5), g/100 g	11	11	15	17	20
Density (ISO 787/11), g/cm ³ after packing	1,7÷2,0 2,0÷2,3	1,2÷1,3 1,3÷1,5	1,1÷1,2 1,4÷1,5	0,9÷1,1 1,0÷1,2	0,7÷0,8 0,9÷1,0

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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