



PRODUCT SHEET

Title	MITAL® Micronized talc of the SUPER series	
Standard	TU 5716-003-40705684-2001	
Grades	MITAL® 15-96 10-96 07-96 05-96 03-96 15-90 10-90 07-90 05-90 03-90	
Manufacturer	GEOKOM, Russia, Kaluga region, set. Polotnyaniy Zavod, st. Slobodka, 111, tel/fax + 748434 46006, 44816, 44817	
Product description	fine dry white powder	
Mineral formula	natural mix of high-plated talc, chlorite, mica without free quartz (<<0,2%) and asbestos-making materials	
Chemical formula		
	MgO	30÷35%
	Fe ₂ O ₃	0,1÷0,3%
	SiO ₂	35÷50%
	CaO	0,3÷0,5%
	Al ₂ O ₃	< 20%
	Physical and other parameters	
	Density, g/cm ³	2,6÷2,7
	Hardness (Mohs)	1÷2
	Refractive Index	1,57÷1,6
	pH Index	9÷10
	Humidity, %	<0,1
	Water-soluble materials	<0,2
	Fraction of total mass of burnt insoluble in hydrochloric acid residue	8090%
	Losses on ignition (1000 °C, 1 h)	< 12,5

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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Typical technological quality parameters talc MITAL® of the SUPER series, grades «96» and «90»

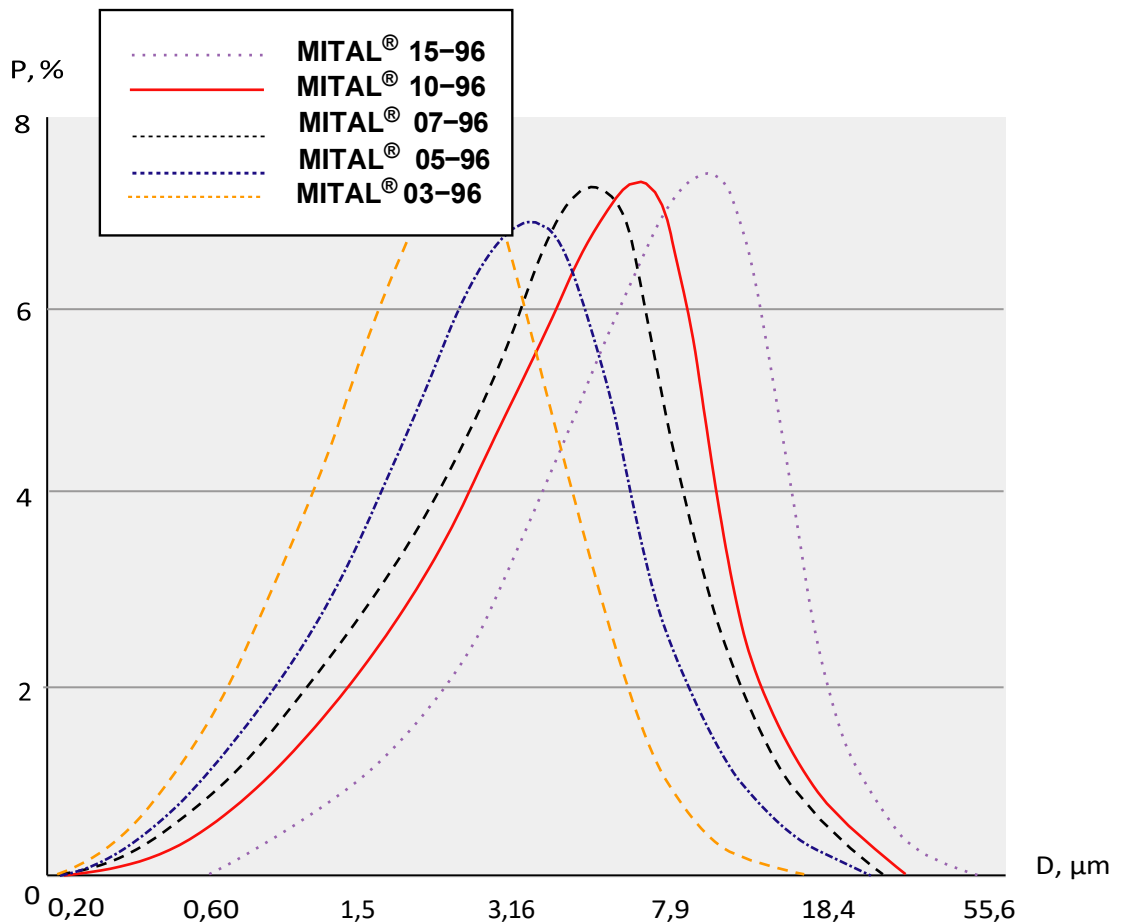
Parameter	MITAL®				
	15-96/90	10-96/90	07-96/90	05-96/90	03-96/90
Chromatic preferences:					
whiteness CIELab (ISO 787/1, C/2°), %	95/90	96,5/91	96,5/91	96,5/91	96,5/91
lightness (L) CIELab, %	96/90	97/91	97/91	97/91	97/91
brightness DIN 53163 (R _v , C/2°), %	90/85	90/85	92/87	92/87	92/87
yellowness ASTM D1925-70 (C/2°), %	3,5/2	3,5/2	3/2	3/2	3/2
brightness ISO 2470 (R ₄₅₇), %	87/75	87/77	90/77	90/77	90/77
whiteness ISO 11475 (D ₆₅ /10°), %	81/70	81/71	86/71	86/71	86/71
Fraction of total mass of screening residue (ISO 787/5), %					
№0045	5	0,2	0,05	0,01	0,00
Mass fraction of particles with an equivalent sphere diameter, %, size (Microsizer-201A):					
less 20 µm	65	80	90	95	
less 15 µm	50	65	75	85	95
less 10 µm	30	50	60	75	90
less 5 µm	10	20	30	40	75
less 2 µm	5	8	10	10	25
Average particle size distribution, µm (Microsizer-201A):					
medium (D ₅₀)	15	10	7	5	3,5
maximum (D ₉₈)	70	33	30	25	18
minimum (D ₁₀)	5	2,5	2	1,5	1,2
Oil absorption (ISO 787/5), g/100 g	20	25	30	35	45
DOP-absorption (ISO 787/5), g/100 g	30	35	40	45	60
Density (ISO 787/11), g/cm ³					
after packing	0,8÷1,0	0,7÷0,9	0,5÷0,6	0,3÷0,5	0,2÷0,3
	1,0÷1,2	0,9÷1,1	0,6÷0,8	0,4÷0,6	0,4÷0,5





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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.

