PRODUCT SHEET

Impexinvest LLC supplies microtalc for the production of paint materials of the MT GSHM trademark. This trademark of microtalc is a universal product for usage in paint, plastics, cable, cellulose and paper and other industries.

Microtalc Talkon MT GSHM is soft, white, chemically stable, finely dispersed talc powder with low content of impurities.

The advantages of this trademark of microtalc are the following:

- High brightness and optimal grain size contribute to the high hide and the opacity of coatings;
- Plate shape of particles improves the mechanical properties of the film and reduces the permeability of coatings;
- High chemical resistance and hydrophobicity increase the corrosion-resistant properties;
- Chemical inertness improves the protective properties and provides excellent interaction with other active ingredients;
- Lack of amphibole and crystalline silica, low content of heavy metals can create safe and environmentally friendly products;
- Low abrasiveness reduces the run-out of the equipment;
- Improves the rheological properties of compositions, prevents the formation of streaks, flake, sedimentation;
- Allows to adjust the degree and nature of the polishing material, improves the appearance and durability of coatings;
- Increases resistance to ultraviolet irradiation and degradation caused by high temperatures.

Typical technological indexes of quality for mark Talkon MT GSHM (GOST 19284 - 79):

№	Parameter	TALCON MT GSHM
1.	Mineralogy, X-ray Difraction	
	Talc	82
	Chlorite	11
	Dolomite	4
	Quartz	3
2.	Chemical Properties	
	SiO2 , %	52
	MgO , %	30
	Fe_2O_3, %	1,5
	Al_2O_3 ,%	3,0
	CaO, %	0,2
3.	Physical and other characteristics	
	Density, g/cm^3	0,2÷0,4
	pH Index	7÷9
	Moisture, %	0,5
4.	Particle Size Distribution («Fritch Analizette 22»), μ	
	D_{98}	30
	D_{50}	8
5.	Whiteness, ISO 787/1	
	whiteness (L * CIE Lab) , %	>89
6.	Particle Size Distribution, >0045 μ, GOST 6613-86, %, max	0,3
7.	Loss Of Ignition	8
8.	Specific Surface, BET, m/g^2	6,7
9.	Oil absorption	46/100
10.	Insolubility (in the HCl), %	82

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