

PRODUCT SHEET

Impexinvest LLC supplies microtalc of the E-45 trademark, used in the production of paint materials, plastics, tires, industrial rubber goods and for purpose of technology in different sectors of industry.

Microtalc Talkon E-45 is soft, white, chemically stable, finely dispersed talc powder with low content of impurities.

The advantages of this trademark of microtalc are the following:

- Increases stiffness and compressive strength and rupture due to plate-form particles;
- Increases heat resistance and UV stability;
- Improves chemical inertness and protective properties, providing excellent interaction with other active ingredients;
- Improves dielectric properties;
- Improves the appearance of the products;
- Low abrasiveness reduces the run-out of the equipment;
- In finely dispersed form provides increased impact resistance;
- Increases resistance to creeping at elevated temperatures and the modulus of elasticity in bending;
- Improves strength, formability, reduces shrinkage during the formation, increases the surface quality of the molded parts;
- High corrosion resistance;
- Lack of amphibole and crystalline silica, very low content of heavy metals can create a safe and environmentally friendly products.

Typical technological indexes of quality for mark Talkon E-45:

№	Parameter	TALCON E-45
1.	Mineralogy,	
	Talc	82
	Chlorite	11
	Dolomite	4
	Quartz	3
2.	Chemical Properties	
	SiO ₂ , %	53
	MgO , %	30
	Fe ₂ O ₃ , %	2,5
	Al ₂ O ₃ , %	4,0
	Other organic admixture, %	7,0
	Other inorganic admixture, %	4,0
	Water-soluble materials	0,1
3.	Physical and other characteristics	
	Density, g/cm ³	0,4
	pH Index	7÷9
	Moisture, %	0,5
	Index of reflectivity, (R 457), %	>70
4.	Particle Size Distribution («Fritch Analizette 22»), μ	
	D ₉₈	45
	D ₅₀	12
5.	Whiteness, ISO 787/1	
	whiteness (L * CIE Lab) , %	>89
6.	Particle Size Distribution, >0045 μ, GOST 6613-86, %, max	2,0
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