

PRODUCT SHEET

Impexinvest LLC supplies talc powder for the production of wire cable of the TKV and TK-1 trademarks. These trademarks of talc are reinforcing fillers of a wide range of polymeric materials (polypropylene, polyamide, polyethylene, polyvinyl chloride, cellular polyethylene, polystyrene, polystyrene, fiber optic materials, etc.).

Talc powder TKV. It is soft, very white, chemically stable, talc powder, of exceptional pureness with very low iron content.

Talc powder TK-1. It is soft, white, chemically stable talc powder with low content of impurities. The advantages of these trademarks of talc 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;
- Increases resistance to creeping at elevated temperatures and the modulus of elasticity in bending;
- High corrosion resistance;
- Improves the appearance of the products;
- Lack of amphibole and crystalline silica, very low content of heavy metals can create safe and environmentally friendly products.

Typical technological indexes of quality for mark TKV and TK-1 (GOST 13145-67):

№	Parameter	Talc Powder for cable	
		TKV	TK-1
1.	Mineralogy, X-ray Diffraction		
	Talc	97	97
	Chlorite	3	1
	Magnesite	-	1
	Dolomite	-	1
2.	Chemical Properties		
	SiO ₂ , %	60	60
	MgO , %	31	31
	Fe ₂ O ₃ , %	2,0	0,6
	Al ₂ O ₃ , %	-	0,5
	Other organic admixture, %	4,3	-
	Other inorganic admixture, %	2,2	-
	Water-soluble materials	-	0,2
3.	Physical and other characteristics		
	Density, g/cm ³	0,2 ÷ 0,4	0,4
	pH Index	8,5	8,5
	Index of refraction (R 457)	>70	>70
	Mass stake of iron, extractive a magnet, %	0,02	0,04
	Mass stake of ion Cl in the water extraction, %	0,01	0,01
	Mass stake of ion Cu in the water extraction, %	0,01	0,01
	Mass stake of MnO, %	0,01	0,01
	Mass stake of Cu, %	0,002	0,003
	Insolubility in the HCl	90	90
	Loss of Ignition	6	7
4.	Particle Size Distribution («Fritch Analizette 22»), μ		
	D ₉₈	45	45
5.	Whiteness, ISO 787/1		
	whiteness (L * CIE Lab) , %	>80	>70

IMPEXINVEST LLC

Moskovskiy prospect 257, Kharkov, Ukraine, 61044

tel./fax: +38 (057) 758-59-56

e-mail: invest-osv@online.kharkiv.com

www.impexinvest.com.ua