

PRODUCT SHEET

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

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

Talc powder TPM-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;
- 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, and 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 safe and environmentally friendly products.

Typical technological indexes of quality for mark TMP-V и TMP-1 (TOR 5727-003-10733471-00):

№	Parameter	Talc Powder for plastics	
		TMP-V	TMP-1
1.	Mineralogy, X-ray Diffraction		
	Talc	97	97
	Chlorite	3	3
2.	Chemical Properties		
	SiO ₂ , %	60	56
	MgO , %	31	31
	Fe ₂ O ₃ , %	2,0	1,5
	Al ₂ O ₃ , %	0,5	3,0
	Other organic admixture, %	4,3	5
	Other inorganic admixture, %	2,2	3,5
	Water-soluble materials	0,1	0,1
3.	Physical and other characteristics		
	Density, g/cm ³	0,4 ÷ 0,5	0,4 ÷ 0,5
	pH Index	8,5	8,5
	Moisture	1	1
	Insolubility in the HCl	90	87
	Mass stake of iron, extractive a magnet, %	0,04	0,04
4.	Particle Size Distribution («Fritch Analizette 22»), μ		
	D ₉₈	45	45
5.	Whiteness, ISO 787/1		
	whiteness (L * CIE Lab) , %	>85	>75
6.	Loss of Ignition	6	7

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