

	<i>Technical Data Sheet</i>	
	SumTITAN R-2061	15.03.2016
Manufacturer	Public Joint-Stock Company "SUMYKHIMPROM"	
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Product information:

Applicationsphere	Is characterized by advanced atmospheric resistance, high optic properties. Is recommended to produce masterbatch, thermoplastics, high endurance polyvinylchloride both for interior and exterior applications, elastomers, rubber, paper (incl. paraffin and ornamental), paper coatings (incl. wallpaper), foodpackaging, leather, white cement, sealants, adhesives, solvent borne semi matt paints both for interior and exterior applications, liners, putties, silicate paints, plaster mortars (incl. cement mortars), polymer coatings, powder coatings for interior applications, epoxy coatings, gum.
Appearance	White powder
Molecular formula	TiO ₂
Trade name	Titanium Dioxide pigment
Standard	TU U 24.1-05766356-054:2005
Registration numbers	CAS № 13463-67-7; EINECS № 236-675-5; RTECS XR 2275000; Russian Register PhCBS No. AT000008 as of 27.01.94; Registration number under (EC) Regulation No.1 907/2006 (REACH): 01-2119489379-17-0029
Shelf life	12 months
Kind of packaging	Valve paper bags 25 kg each on pallets (net weight 1000 kg), disposable PP containers big-bags (net weight 500 kg, 1000 kg).
Durability period	Unlimited
Storage and application conditions	Store in original manufacturer's containers in closed dry warehouses. Avoid aerosol formation when handling. Apply individual respiratory protecting equipment.
Transport information	The product is transportable by all kinds of vehicles in accordance with carriage regulations, valid for the given kind of shipment. The cargo is not classified as dangerous under international carriage regulations. «Keep Dry» sign is mandatory.

Physico-chemical indices:

Indices denomination and measuring units	Norm	Test method
Titanium Dioxide, % by wt., min.	94	GOST 9808; ISO 591-1
Rutile form, % by wt., min.	97	GOST 9808
Volatile matter, % by wt., max.	0,5	GOST 21119.1; ISO 787-2
Water soluble substances, % by wt., max.	0,2	GOST 9808; GOST 21119.2; ISO 787-3, ISO 787-8
pH of water suspension	6,5- 8,0	GOST 21119.3; ISO 787/9
Residue on sieve 0045 mesh, %, max.	0,005	GOST 9808; GOST 21119.4; ISO 787-7, ISO 787-18
Bleaching capacity, conventional units, min.	2000	GOST 9808; GOST 9529; ISO 787-17
Coverage potential, g/m ² , max.	24	GOST 9808; GOST 8784
Dispersibility (dissolver) , mkm, max. ¹	40	
Dispersibility (bead mill), mkm, max.	13	GOST 9808; ISO 8780-4
Oil absorption, g per 100 g of product, max.	22	GOST 21119.8; ISO 787-5
Particle size, mkm, max. ²	0,4	
Light resistance	good	
Whiteness, conventional units, min. ³	97	ISO 787-1
Colour coordinates L, a, b values		
L – min.	98	
a – min.	-0,4	
b – max.	2,0	
Surface treatment	SiO ₂ and Al ₂ O ₃	

Note 1: To be identified upon customer's requirements.

Note 2: Average value is identified with sedimentation x-ray disc centrifuge XDC-BI.

Note 3: Test method: in tablettised powder, device – Ultrascan C/2grad.