

TITANIUM DIOXIDE

TiOx-271

PRODUCT DESCRIPTION			
Product	Titanium dioxide. Rutile pigment produced by the sulphate process.		
Manufacturer	LLC "Titanium Investments"		
Appearance	White powder material with high brightness.		
Surface treatment	Aluminum and organic compounds.		
Application	White pigment, treated with aluminum hydroxide, has wide application in varnish and paints production based on organic solvents and water, printing and powder paints, plastics. The product has good coverage and blue undertone. It is treated with organic compounds for excellent dispersancy in different disperse systems. Coatings based on it have high brilliance.		
PRODUCT INFORMATION			
Specifications	2321-001-17547702-2014		
ISO 591-1 2000	R2		
ASTM D 476-00 (2005)	Type III		
CAS	13463-67-7		
EINECS	236-675-5		
TYPICAL PROPERTIES			
TiO ₂ , wt%	min.	94	ISO 591-1
Moisture when packed, wt%	max.	0.5	ISO 787-2
Residue on sieve 45µm [325mesh], wt%	max.	0.010	ISO 787-18
pH of water suspension		6.5 – 8.0	ISO 787-9
Tint reducing power, arb. units		2100 – 2400	ISO 787-17
Opacity, g/m ²		24 – 26	ISO 6504-3
Dispersibility, µm		10 – 12	ISO 8780-4
Oil absorption, g/100g of pigment		16 – 19	ISO 787-5
Specific density, g/cm ³		3.98	ISO 787-10
Whiteness, arb. units ^l		96.5 – 97.5	ISO 787-1
	L* (CIELAB) ^l	97.0 – 98.0	ISO 787-1
	b* (CIELAB) ^l	1.4 – 1.8	ISO 787-1
Packing	Paper bags 25 kg. Big Bags 500, 1000 kg.		
Storage	Store in dry covered warehouses. Warranty period of storage is 12 months from date of manufacture.		

Note I - Method for determination - powder tablet.

The manufacture of LLC "Titanium Investments" products is certificated according to ISO 90012008

Quality Management System.

This information is a general description of the properties of the grade TiOx-271 and its potential fields of application. The data is based on regularly conducted analyses of the properties of titanium dioxide and also it is based on our experience and experience of our partners with respect to product application. The values listed here should not be regarded as a guarantee, and could be changed without previous notice. We cannot guarantee that grade TiOx-271 will meet your specific conditions of use. For testing the product grade TiOx-271 for compliance with your requirements and conditions of use LLC "Titanium Investments" is ready to provide the pigment samples for testing at the request.