

TITANIUM DIOXIDE

TR-68

Product description

Product Name:	TR-68 is a general purpose rutile Titanium Dioxide pigment, manufactured by the latest sulfate process technology.
Applications:	General purpose, can be widely used in: paint, coating, powder coating, marine coating, automobile paint, printing ink, plastic, rubber, artificial leather, artificial stone, etc.

Basic information

CAS NO.:	13463-67-7
EINECS NO.:	236-675-5
Color Index:	77891, pigment white 6
ISO591-1:2000:	R2
ASTM D476-84:	II, III, VI
Appearance:	White powder
Specific gravity:	4.0 g/cm ³

Technical Specifications: (Standard: GB/T1706-2006)

TiO ₂ Content %	≥95%
Rutile Content %	≥99%
Color CIE L*	≥98%
Color CIE a*	Min -0.9, Max -0.3
Color CIE b*	Min +1.4, Max +2.8
Surface inorganic coating	Alumina & Zirconia
Alumina, (Al ₂ O ₃) wt%	2.2 - 3.0
Amorphous Zirconia, (ZrO ₂) wt%	2.0 - 2.8
Matter volatile at 105°C %	≤0.5
Matter soluble in water %	≤0.5
Residue on sieve 45μm(325mesh) %	≤0.05
pH value	6.0 - 9.0
Particle size-disc centrifuge-mean diameter (Dn): μm	0.21
Particle size-light scatter-calculated mean (OD): μm	0.31
Bulk density	0.92 kg/l (58 lbs/cu.ft.)
Oil absorption g/100g	≤20
Tinting strength (compared with standard sample) %	≥1800
Resistivity of aqueous extract Ωm ≥	≥80
Package:	25kg paper-plastic compound bag, or as clients' requests offer 500kg/1000kg woven plastic bag (20ton/20FT).
Storage and safety:	The product is a kind of white powder which is safe, nontoxic and harmless. Keep from moisture during transport and should store in a cool, ventilated, dry place. Avoid breathing duct when handling, and wash with soap & water in case of skin contact. For more details, please refer to the Material Safety Data Sheet.