

TITANIUM DIOXIDE

TR-68

Product description

Product	TR-68 is a general purpose, rutile Titanium Dioxide pigment, manufactured by the latest sulphate process technology.
Appearance	White powder
Surface inorganic coating	Alumina & zirconia
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.
Product information	Technical Specification: Standard :GB/T1706-2006, CAS No.:13463-67-7, EINECS No.:236-675-5, ISO591-1:2000:R2, ASTM D476-84: II, III, VI

Physico-chemical properties

TiO ₂ , content, %	≥ 95%
Rutile content,%	≥ 99%
Color CIE L* a* b*	≥ 98% Min-0.9 , Max -0.3 Min+1.4 , Max +2.8
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 45 μm (325mesh), %	≤ 0.05
Specific gravity, g/cm ³	4.0
pH value	6.0 - 9.0
Particle size-disc centrifuge-mean diameter (D _n): μm	0.21
Particle size-light scatter-calculated mean(OD): μm	0.31
Bulk density, kg/l (56 lbs/cu.ft.)	0.92
Color index	77891, pigment white 6
Oil absorption, g/100g	≤ 20
Tinting strength (compared with standard sample), %	≥ 1800
Resistivity of aqueous extract Ωm	≥ 80

Storage, Safety and packing

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
25kg plastic woven bag, or as clients' requests offer 500kg/1000kg plastic woven bag.(20ton / 20FT)