

TITANIUM DIOXIDE

A-110

Product description

Name:	A-110 is an Anatase titanium dioxide pigment without surface treatment, manufactured by the sulphate process with high TiO ₂ content.
Applications:	General purpose, can be widely used in: interior coating, paint, plastic, rubber, ink, leather, paper-making, glass, ceramics glaze, enamel making etc.

Basic information

CAS NO.:	13463-67-7
EINECS NO.:	236-675-5
Color Index:	77891, pigment white 6
ISO591-1:2000:	A1
ASTM D476-84:	I
Appearance:	White powder
Specific gravity:	3.9 g/cm ³

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

TiO ₂ Content %	≥ 98.5%
Color CIE L*	≥ 96%
Color CIE a*	≥ - 0.1
Color CIE b*	≤ 0.8
Surface inorganic coating	None
Loss on Ignition %	≤ 0.3
Matter volatile at 105°C %	≤ 0.5
Matter soluble in water %	≤ 0.5
Residue on sieve 45μm(325mesh) %	≤ 0.05
PH value	6.5 - 8.5
Particle size-disc centrifuge-mean diameter (Dn): μm	0.25
Particle size-light scatter-calculated mean (OD): μm	0.32
Bulk density	1.0 kg/l (62 lbs/cu.ft.)
Oil absorption g/100g	≤ 24
Tinting strength (compared with standard sample) %	≥ 100
Resistivity of aqueous extract Ωm ≥	≥ 20
Package:	25kg plastic woven bag, or as clients' requests offer 500kg/1000kg plastic woven 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.