

TITANIUM DIOXIDE

CR-97

Product description

Product Name:	CR-97 is a rutile Titanium Dioxide pigment, manufactured by the chloride process.
Applications:	Plastic purpose, can be widely used in: Master batch, PVC, engineering plastics, rubber, insulation materials, thin film, flexible PVC and plastisol, polyolefin, 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:	VI, VII
Appearance:	White powder
Specific gravity:	4.1 g/cm ³

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

TiO ₂ Content %	≥97%
Rutile Content %	≥99%
Color CIE L*	≥99%
Color CIE a*	Min -0.9, Max -0.3
Color CIE b*	Min +1.4, Max +2.8
Surface inorganic coating	Alumina
Alumina, (Al ₂ O ₃) wt%	4.0
Matter volatile at 105°C %	≤0.3
Matter soluble in water %	≤0.4
Residue on sieve 45μm(325mesh) %	≤0.03
pH value	6.0 - 9.0
Particle size-disc centrifuge-mean diameter (Dn): μm	0.20
Particle size-light scatter-calculated mean (OD): μm	0.28
Bulk density	1.1 kg/l (69 lbs/cu.ft.)
Oil absorption g/100g	≤19
Tinting strength (compared with standard sample) %	≥1800
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.