

## TITANIUM DIOXIDE

# CR-78

### Product description

Product Name:	CR-78 is a rutile Titanium Dioxide pigment manufactured by the chloride process.
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:	VI, VII
Appearance:	White powder
Specific gravity:	4.1 g/cm <sup>3</sup>

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

TiO <sub>2</sub> Content %	≥96%
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 & Zirconia
Alumina, (Al <sub>2</sub> O <sub>3</sub> ) wt%	1.2 – 2.0
Amorphous Zirconia, (ZrO <sub>2</sub> ) wt%	2.0 – 2.8
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.