



R218

General Use Rutile Titanium Dioxide

Product Description:

R218 is Rutile Titanium Dioxide pigment manufactured by the sulphate process and supplied as a fine, dry powder, which are inorganic coated with Al_2O_3 & SiO_2 and special organic surface treated to have both good optical properties and excellent pigment properties. With advanced control technology of particle-size and particular coating technology, the products show good whiteness, high gloss, great hiding power, strong tinting power, favorable weatherability, high chalk resistance, low oil absorption, good wetting and are easy to disperse in a variety of systems.

Applications:

Rutile Titanium Dioxide pigment R218 is general purpose product, widely used in industries includes indoor&outdoor coatings, interior and exterior latex paints, industrial coatings, powder coatings, road sign paint, anti-corrosive paint, antifouling paint, marine paint. The products can also be used in plastics (PVC, PE, polystyrene and polyurethane etc.), masterbatch, rubber, printing ink, leather, paper making, decoration paper and etc..

Basic Information:

Chemical Name:	Titanium Dioxide (TiO_2)
CAS NO.:	13463-67-7
EINECS NO.:	236-675-5
Color Index:	77891, pigment white 6
ISO591-1:2000:	R2
ASTM D476-84:	II
Appearance:	White powder
Specific gravity:	4.1 g/cm ³
Surface treatment:	alumina, silica + organic



Technical Specifications: (Standard: Q/SNBJ1-2012)

Property		R218
TiO ₂ content	%	≥94.0
Rutile content	%	≥98.0
Color (compared with standard sample)		Not lower than
ΔL^* (sample-standard sample)		≥-0.3
$\Delta s = (\Delta a^2 + \Delta b^2)^{0.5}$		≤0.5
Matter volatile at 105°C	%	≤0.5
Matter soluble in water	%	≤0.5
Residue on sieve 45μm	%	≤0.1
PH of aqueous suspension		6.5-8.5
Brightness	%	≥96
Oil absorption	g/100g	≤21
Tinting strength, Reynolds number		≥1800

Package:

25kg paper-plastic compound bag, or as clients' requests offer 500kg/1000kg big woven plastic bag.

Storage and Safety:

The product is a kind of white powder which is safe, nontoxic and harmless. Keep from moisture during transport and should be stored 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.