



R299 Plastic Use Rutile Titanium Dioxide

Product Description:

R299 for plastic is rutile titanium dioxide pigment produced by the sulfate process. It is coated with SiO_2 & Al_2O_3 and low level special organic surface treatment, which has excellent pigment properties with superfine particle size, good whiteness, blue undertone, strong tinting strength and hiding power, low volatile content. It also has excellent powder dry-flow ability and good processability to make it easy to scatter in plastic & rubber. R299 can improve the thermal resistance and yellowing resistance of the plastic products, better its mechanical properties and at the same time prevent the penetration of the UV to increase its light resistance, durability and chalk resistance.

Applications:

Rutile titanium dioxide pigment R299 is exclusive use for plastics, mainly applied in a broad range of plastics (PVC, flexible PVC, PE, PS and PU, etc.), masterbatches, polyolefin thin film, ABS engineering plastics, also be available in rubber, printing ink and leather color paste.

Basic Information:

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		R299
TiO ₂ content	%	≥95.0
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	%	≤0.3
Matter soluble in water	%	≤0.5
Residue on sieve 45μm	%	≤0.1
PH of aqueous suspension		6.2-9.0
Brightness	%	≥97.0
Oil absorption	g/100g	≤19
Tinting strength, Reynolds number		≥1850

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.