

Tryruti S58

INCI Name: Titanium Dioxide(CI 77891)

Rutile titanium dioxide, surface was modified by ethylene, epoxy, amino to be lipophilic. KingPowder's unique modification technology is specially tailored for organic resin system, which improves the compatibility and efficacy of high polymer composites such as dispersibility, hydrophobicity, fluidity, high filling and adhesion of titanium dioxide. It has high whiteness, high gloss, strong covering power and great weather-resistance.

Product Parameters:

Appearance: (visual inspection)	White powder
Crystal type:	Rutile
Mean particle size (nm):	420
Surface treatment agent:	Ethylene, phenolic epoxy resin, amino and so on
Oil absorption (cc/100g):	15-20
Loss on drying (%):	≤1.00
Density (g/cm ³):	1.00-1.40
Dry whiteness (%):	≥92.00
Dispersibility: (in mineral oil/water)	Easily dispersed in oil, but difficult in water

Product Features and Applications:

Features:

- 1) High gloss, high colouring power and great weather-resistance.
- 2) Moderate particle size, narrow particle size distribution, good covering power.
- 3) The surface functional modification can reduce the agglomeration of titanium dioxide particles and improve the dispersibility in polymer.
- 4) Low oil absorption, improve product fluidity.

Applications:

Mainly used in white coloring system, such as solvent based coating, ink, adhesive, rubber and plastics, masterbatch, leather, printing and dyeing.

Storage Information:

Manufacture area:	China
Packaging:	50 kg/ barrel
Storage:	Sealed, storage in a cool and dry place away from light
Shelf life:	36 months

Date: 2020/10/28