JTCR-599
Product Information

Product Description

JTCR-599 is a titanium dioxide which produced by chloride process in thermoplastics masterbatches. It is treated by aluminum and specific organic surface treatment. It is bluish color tone product with fine particle size.

Table 1

Analysis and Physical Properties of JTCR-599

Property	Value
TiO2, wt%	≥97
Alumina, wt%	1.1
Silicon, wt%	0.7
Specific Gravity	4.1
Bulking Value, L/kg (gal/lb)	0.25（0.03）
Organic Treatment	Yes
Color CIE L*	99.0
Median Particle Size, μm	0.3
Oil Absorption	15
pH	6.5-8.0
Carbon Black Undertone	17

Note: All values are typical unless otherwise specified

Key Features

- High hiding power
- Excellent melt fluidity
- Outstanding color and gloss retention
- Excellent processing performance
- High temperature resistance

Suggestions for Use

JTCR-599 especially designed to give outstanding melt flow with high loaded thermoplastics masterbatches. It greatly improves the bright white color of plastic products, with excellent performance in processing and anti-crack performance.

- Thermoplastic masterbatch
- High loading polyolefins white masterbatch
- ABS applications.
- Engineering plastics

High temperature resistance

In high-temperature environments, traditional titanium dioxide will have color changes or fading problems, while temperature-resistant titanium dioxide can maintain color stability and will not fade in high-temperature environments. After selecting high-quality silicon coating agents to effectively coat titanium dioxide, our products have better high temperature resistance(300℃).

Excellent melt fluidity

Melt flow rate is an important reference for selecting plastic processing materials and grades. It can make the selected raw materials better adapt to the requirements of the processing technology and improve the reliability and quality of the products in molding.

Shipping Containers

JTCR-599 is available in 25 kg paper/PE bag and 1 metric ton big bag.

Product Storage

The shelf life of JTCR-599 is indefinite as long as the material is kept from direct contact with moisture.
For further information about this grade or to request a sample, please see the JIUTA website.