



http://en.meilinium.global

- **Description** : Meilinium®CR-242 titanium dioxide specifically designed for plastic colorants is synthesized from high-purity inorganic minerals as the base material combined with nanomaterials. It adopts both physical and chemical cross-linking methods to titanium-coat the surface of the nanopowder. By utilizing spatial steric hindrance repulsion, titanium dioxide is uniformly deposited on the surface of the nanomaterial, forming a titanium dioxide film coating and a "core-shell" particle structure. This maximizes the coloring, hiding, weathering resistance, reinforcement, and toughening properties of titanium dioxide. As a brand-new rutile titanium dioxide with a core-coating process, it is specifically designed for the plastics industry. Its surface treatment process involves the formation of a dense, continuous, uniform, and complete coating of lightweight hydrated alumina precipitation on the surface of titanium dioxide. This surface treatment gives it high hiding power and excellent weathering resistance. Additionally, a layer of siloxane surface treatment agent is coated on the outermost layer of titanium dioxide, ensuring excellent dry powder flowability, dispersibility, and processability in plastic applications.
- Key features : High hiding power, high whiteness, coloring properties, and ability to maintain color stability for a long time. Cost-effective: More economical compared to traditional titanium dioxide Good dispersibility: Poorly dispersed titanium dioxide can affect the smoothness and brightness of plastic products Good processability in various polymers Excellent durability across multiple applications
- Applications : Meilinium[®]CR-242 is recommended for the following purposes: Polyolefin masterbatches Styrene compounds Rigid and flexible polyvinyl chloride Engineering polymers Powder coatings

Typical	TiO2 ≥%:	91.5
Properties :	surface preparation:	Aluminum oxide, organic matter
	grain size um	0.22
	Oil absorption volume (g / 100g):	15
	luminance%≥:	94
	specific gravity g/cm ³ :	4.0
	Accumulation density (solid) g / cm ³ :	1.4
	hydrotrope%≤:	0.5
	105°C volatile fraction%:	0.2
	Decolorization, Reynolds Number:	95

- AdditionalMeilinium®CR-242 meets the following criteria:information :ROHS, REACH, halogen latest standards
Q / 440300MLL 001-2021 Standard
ECOIN: It is listed in EINECS Standard Number 236-675-5
BS EN ISO591-1:2000Type R2
CAS number: 13463-67-7
Index No.77891,6
HS code:3206111000
- Regulatory
 Meilinium®CR-242 has been widely used globally. Please visit http://en.meilinium.global or contact you Millennium

 Status :
 Sales
 representative for more information. Regulatory information inquiries can also be submitted through the following email: michelle@meilinium.com.