Product Technical Specification TDS

Rutile Titanium Dioxide LR-960

English name: Rutile-type titanium dioxide LR-960

Molecular formula:TiO_2

Molecular weight: 79.88

CSA **Number: 13463-67-7**

[summary]

LR960 is a versatile, multipurpose rutile titanium dioxide powder that has undergone surface modification through zirconium-and aluminum-based inorganic coating and organic treatment agents, resulting in a uniform and optimal particle size distribution. It boasts excellent characteristics such as high whiteness, good dispersibility, high gloss, strong covering power, and weather resistance, making it suitable for a wide range of application fields. This product can be extensively used in industries including paints, inks, coatings, leather, color paste and color sheets, plastics, and rubber.

[application area]

coating material

Ink (solvent-based, for iron printing)

Leather, color paste and color sheets

paint

plastics

rubber

[Packaging/Transportation/Storage]

Use clean 25 kg paper bags with valve-equipped packaging. During transportation, protect the product from rain and sunlight to prevent packaging damage or moisture absorption. Store under cool, dry conditions, away from fire sources, strong acids, strong alkalis, and strong oxidizing agents; store in a well-ventilated, dry room away from fire sources and in compliance with fire safety requirements.

[Physical Properties Data]

Qualitative index	Quality requirement
Titanium dioxide content,%	≥95.0
Luminance,%	≥98
Oil absorption, g/100g	≤20
Water suspension pH value	≤7.5
Xiao Ge Li (Reynolds number)	≥1850
Rutile content,%	≥98.0
Oil dispersibility (Hegman number)	≥6.0
Sieve residue (45 μm),%	≤0.02
Resistivity,Ω·m	≥80

[matters need attention]

To mitigate any potential health risks associated with the product, it is recommended to use appropriate personal protective equipment (PPE). Generally, the use of hand and eye protection devices is advised. In the absence of mechanical ventilation systems or when steam removal is inadequate, respiratory protection devices should also be worn.

[safety precautions]

Please Refer to the Material Safety Data Sheet (SDS).

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