

### Zinc Sulfide (ZnS) vs. Titanium Dioxide (TiO<sub>2</sub>)

Property	ZnS	TiO <sub>2</sub>	ZnS Advantage
Mohs hardness	Low	High	Reduce wear and tear on equipment and protect processing machinery
Photocatalytic Activity	No	Yes	Does not cause polymer degradation and improves weather resistance
UV transmissibility	Selective Transimission	Strong Scattering	Optimized for UV curing applications, enhance cure depth
Thermal Conductivity	High	Low	Enhance heat dissipation for electronic device.
Metal Ion Effects	Anchoring Effect	No	Inhibits catalytic degradation, prolonging product lifespan.
ECO-friendly	No Heavy Metal	Contains Titanium	Better aligns with environmental protection regulations.

**SINTAH Chemicals' Zinc Sulfide** outperforms traditional white pigments across multiple dimensions, offering customers high-performance, high-value-added solutions through its unique combination of properties. From both technical and economic perspectives, SINTAH's ZnS marks a significant advancement in white pigment technology, unlocking new possibilities for material innovation across industries. As environmental regulations become increasingly stringent and demand for high-end applications continues to rise, SINTAH ZnS' comprehensive advantages will become even more evident, ensuring broad market potential.

#### Disclaimer

The property values presented herein are typical values and are not to be interpreted as specification limits. The information in this document is believed to be accurate and reliable as of the date of publication; however, it is provided for general guidance only. This document is intended to support safe handling, use, processing, storage, transportation, and disposal of the product, and does not constitute a warranty or guarantee of any kind—express or implied—including, without limitation, any warranty of merchantability or fitness for a particular purpose. Users are responsible for determining the suitability of the product for their specific applications and for ensuring that its use complies with all applicable safety and legal requirements.

#### Regulatory Notes

This product is manufactured in compliance with applicable regional chemical control regulations.

鑫泰合化工(广东)有限公司

**SINTAH CHEMICALS (GUANGDONG) COMPANY LIMITED**

工厂地址: 广东省河源市东源县仙塘镇蝴蝶岭汇通工业园

总部: 广州市黄埔区瑞吉二街 49 号京广协同创新中心 1 栋主楼 13 楼

Factory: Hudieling Industrial Park, Heyuan, Guangdong, China

Headquarters: 13/F, Building 1, Jingguang Collaborative Innovation Center, Guangzhou, China.

[enquiry@sintahchemicals.com](mailto:enquiry@sintahchemicals.com) <https://www.sintahchemicals.com>



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Regulatory status may vary by jurisdiction, and users should verify compliance with local requirements prior to use. Certification for specific applications (such as food contact, potable water, medical, or electrical uses) is not implied and must be confirmed separately upon request. Users are responsible for ensuring that the product, its additives, and any processing aids meet all relevant regulatory and end-use obligations.

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[enquiry@sintahchemicals.com](mailto:enquiry@sintahchemicals.com) <https://www.sintahchemicals.com>