

### ZINC SULFIDE: LS - 397

Item	Typical Value
Appearance	White powder
CAS No.	1314-98-3
Applications	Plastic, Rubber, Coating, inks, Flame Retardant, Friction Materials, Paper, etc.
Particle Size (D50, $\mu\text{m}$ )	$\leq 1$
Heating Loss (%)	$\leq 1$
Whiteness (%)	$\geq 94$
Content (%)	$\geq 97$
Hiding Rate (TiO <sub>2</sub> =100, PVC=17%)	54-55
Residue on Sieve (45 $\mu\text{m}$ , %)	$\leq 0.004$
Mohs Hardness	3

### PERFORMANCE FEATURES

- Whiteness  $\geq 94$  with a clean blue-white tone
- Strong intrinsic whitening power; enhances brightness and color purity
- Excellent dispersibility and wetting behavior
- High thermal stability (up to 350 °C)
- Very low abrasion due to low hardness; reduces wear on dies and screws
- Compatible with glass-fiber-reinforced polymers
- High thermal conductivity
- Does not inhibit catalytic oxidation (unlike TiO<sub>2</sub>)
- Improves weatherability in plastics
- Enhances mechanical performance in UV-cured coatings.

鑫泰合化工（广东）有限公司

**SINTAH CHEMICALS (GUANGDONG) COMPANY LIMITED**

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## PACKAGING

- 25kg/pack; Customized packaging is available.

## STORING

- Avoid dampness and sunshine. Shelf Life: 24 months

### 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. 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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