

CALCIUM ZINC STABILIZER FOR PVC FLEXIBLE TRANSPARENT PRODUCTS

PRODUCTS

Grades	Heating Loss (%)	Thermal Stability	Lubrication
QY-6013	≤ 3.0	5+	4+
QY-6018	≤ 3.0	5+	4+
QY-602	≤ 3.0	4+	5+

Appearance: White or yellowish powder

APPLICATIONS

Designed for both soft and rigid transparent PVC, including:

- Medical plastics
- Automotive cushions
- Films and sheets
- Footwear materials
- Wires and cables
- Toys
- Food packaging materials.

Our Ca/Zn stabilizer can be used together with epoxidized soybean oil and can also be formulated with a broad range of internal/external lubricants, co-stabilizers, and processing aids to suit different PVC applications.

Suggested Use (PHR): 1.0~1.5 (Extrusion), 1.8~2.5 (Injecting molding).

Key Advantages

- Non-Toxic & Safe: Free of heavy metals; suitable for food-contact, medical, and sensitive applications.
- High Transparency: Maintains excellent clarity without fogging or odor generation.
- Thermal Stability: Performs effectively at elevated processing temperatures.
- Color Stability: Strong initial color and long-term color retention, essential for transparent products.
- Cost-Effective: More economical than many organic-based non-toxic stabilizers.
- Environmental Compliance: Meets modern green-chemistry expectations and replaces Ba/Zn, Ba/Cd, and organotin systems.
- Anti-Verdigris & Anti-Hydrolysis: Prevents green discoloration and moisture-induced degradation.
- Efficient Processing: Good lubrication and dispersion; compatible with PVC resin with no plate-out issues.
- Low Dosage Requirement: High stabilizing efficiency allows effective performance at reduced phr levels.

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 <https://www.sintahchemicals.com>



创新永续，智慧聚合 卓越方案

Innovate Sustainably – Smart Polymers, Smarter Solutions

Safety and Compliance

Our Ca/Zn stabilizers are formulated without toxic heavy metals and fully comply with major international safety and environmental regulations. All products meet the requirements of EN71, EN1122, EPA 3050B, EU RoHS Directive, PAHs limits, REACH-SVHC and related environmental standards.



This ensures safe use in sensitive applications such as toys, food-contact materials, medical products, and consumer goods.

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.

鑫泰化工（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 <https://www.sintahchemicals.com>