

CALCIUM ZINC STABILIZER FOR PVC Wire, Cable and Flexible Products

PRODUCTS

| Grades | Heating Loss (%) | Thermal Stability | Lubrication | Insulation Property |
|--------|------------------|-------------------|-------------|---------------------|
| QY-301 | ≤ 3.0 | 4+ | 2+ | 4+ |
| QY-302 | ≤ 3.0 | 4+ | 3+ | 4+ |
| QY-305 | ≤ 3.0 | 5+ | 4+ | 5+ |
| QY-307 | ≤ 3.0 | 5+ | 4+ | 3+ |

Appearance: White or yellowish powder.

APPLICATIONS

Designed for PVC Wire, Cable and Flexible Products:

- Flexible PVC wire and cable compounds, including insulation and sheathing materials
- Power-line and electrical plug compounds
- Flexible PVC granules, both white and colored, for eco-friendly formulations
- Soft PVC profiles, hoses, and tubing
- Eco-friendly toy granules and other general flexible PVC products

Suggested Dosage (PHR): 3.5 – 5.0

KEY ADVANTAGES

- **Safe & Non-Toxic:** Replaces lead and organotin stabilizers with an environmentally friendly Ca/Zn system.
- **Excellent dispersion and low water absorption,** supporting smooth processing and secondary operations.
- **Strong resistance to plate-out and migration,** ensuring cleaner production and stable long-term performance.
- **Good color-holding capability,** with better light and weather resistance than lead-based stabilizers.
- **Outstanding processing and insulating properties,** improving melt fluidity, brightness, and surface smoothness.

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创新永续，智慧聚合卓越方案

Innovate Sustainably – Smart Polymers, Smarter Solutions

SAFETY AND COMPLIANCE

Non-toxic formulation compliant with major environmental and safety standards, including heavy-metal requirements under EN71, EN1122, EPA 3050B, as well as EU RoHS, PAHs, and REACH-SVHC regulations. Suitable for PVC wires certified under UL, VDE, CAS, JIS, CCC, and other electrical standards.



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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