

## CALCIUM-ZINC STABILIZER FOR PVC SEWAGE PIPE

### PRODUCTS

| Grades   | Heating Loss (%) | Thermal Stability | Lubrication |
|----------|------------------|-------------------|-------------|
| QY-2028E | ≤ 3.0            | 4+                | 5+          |
| QY-2028G | ≤ 3.0            | 4+                | 5+          |
| QY-2028H | ≤ 3.0            | 5+                | 5+          |

Appearance: White or yellowish powder

### APPLICATIONS

Designed for PVC Conduit and Trunking

- PVC electrical conduit (rigid and flexible types)
- PVC trunking and cable management systems
- PVC pipe fittings used in electrical installations
- PVC junction boxes and accessory components
- PVC profiles for electrical and construction channels
- PVC cable ducts and protective covers
- PVC extrusion products requiring good heat stability and color retention
- General rigid PVC formulations used in building and electrical infrastructure

Suggested Dosage (PHR): 3.0 – 4.5

### KEY ADVANTAGES

- **Safe and non-toxic formulation** that can fully replace traditional Ba/Zn, Ba/Cd, and organotin stabilizers.
- **Excellent thermal stability** for reliable processing and long-term performance.
- **Balanced lubrication system** that supports smooth extrusion and consistent product quality.
- **No sulfur-related odor or discoloration**, ensuring clean and stable processing.
- **Good dispersion within PVC formulations** for uniform appearance and mechanical properties.
- **Enhanced adhesion performance**, delivering strong gluing and lamination results.
- **Improved printability**, enabling sharp, durable, and high-definition printing effects.
- **High color brightness and color fastness in the final product.**
- **Unique coupling capability** that strengthens the interface between PVC and fillers.

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- **Improved mechanical properties of the finished product**, reducing physical deterioration over time.
- **Extended service life** of the final PVC device or component.
- **Better fusion performance** for stable processing and reduced defects.
- **Good melt fluidity**, supporting smooth extrusion and uniform product formation.
- **Enhanced surface brightness and consistent thickness in the final product.**

### SAFETY AND COMPLIANCE

Non-toxic formulation meeting the requirements of EU RoHS, EN71-3, PAHs, PFOS/PFOA, REACH-SVHC, and other major environment 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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