



## ALCAMIZER

Due to environmental effects from heavy metals such as lead, Cadmium, etc., their use in PVC has come under increasing pressure. As a result, alternative stabilizer systems have been developed, that do not contain Cadmium or Lead compounds. Kisuma Chemical and Kyowa Chemical industry Co., Ltd. has developed a range of ALCAMIZER grades, which are Hydrotalcite-like compounds, with magnesium, zinc and aluminum, that can be used as a heat stabilizer in heavy metal free PVC stabilizer systems.

### ALCAMIZER Application

Pipe & Fitting, Door & window profile, Food & Drug packaging , Wire & Cable, Artificial leather, Shoes, and PVC Sheet

### ALCAMIZER Advantages

- Higher heat stability in comparison to Lead-based stabilizers due to the confining CL into ALCAMIZER interlayers.
- High safety due to the presence of magnesium, zinc and aluminum those working with the substrate are safe from possible hazards. Therefore ALCAMIZER can be used in food packages made of polymers.
- High transparency due to the refractive index is the same as that of PVC
- Does not cause deterioration of the insulating characteristics of PVC due to the trapping of HCL by an ion exchange reaction, ionic chloride does not form and trapped chloride will not escape up to about 400° C
- Good dispersion characteristics due to its fine particle size (submicron) and special surface treatment
- Good weatherability
- High volume on compound due to non-lubricity and non-plate out
- Non- pollution with sulfide combined use of ALCAMIZER with lead based or tin Mercaptide stabilizer is available.
- ALCAMIZER can be used for rigid resin, flexible resin, paste resin, copolymers and mixed polymers, etc.

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