

CHARMAX™ LS ZB400

Zinc Borate

CAS Reg. Number [138265-88-0]

Charmax™ LS ZB400 is a high performance standard grade of Zinc Borate used as a Flame Retardant / Smoke Suppressant additive in a wide variety of polymer systems.

Typical Properties / Composition

Appearance	White Powder
Formula	4ZnO - 6B ₂ O ₃ - 7H ₂ O
ZnO	37.7% - 38.9%
B ₂ O ₃	47.0% - 49.0%
H ₂ O	13.5% - 15.5%
Particle Size, D50	7 Microns Max
Free Moisture, % Wt.	0.6% Max
325 Mesh Screen Retention	0.2% Max

Applications

Charmax™ LS ZB400 is an effective flame retardant synergist and smoke suppressant in halogenated polymers, particularly PVC, acting in the condensed phase as a charformer. Charmax™ LS ZB400 can act as a partial replacement of Antimony Oxide and is also used in specific applications in polyethylene, epoxies, unsaturated polyesters and rubber. Typical uses include jacketing and insulation for plenum and riser cables, wall coverings, and urethane foams, fiber reinforced polyester composites, coatings & sealants.

Packaging

Standard packaging is in 25 kg poly and 500 kg bulk bags. Packages are on skids with stretch wrap. Special packages are available upon request.

Health and Safety

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool dry, well ventilated area away from incompatible materials. For additional handling and toxicological information, consult the Polymer Additives Group Safety Data Sheet.

This information is believed to be an accurate and reliable representation of the products average properties and it is offered in good faith but without guarantee and may be modified by later findings. The manufacturer makes no warranties, express or implied, regarding the accuracy, completeness, or adequacy of the information contained herein. Any recommendations or suggestions are also made without warranty or guarantee, since the conditions of use are beyond our control. It is the obligation of the customer/user to make its own assessment to determine suitability of use for any purpose, including, the appropriate health, safety, disposal, and environmental precautions necessary in each products intended use(s).