

ZINC BORATE (ZNB-35S)

ZNB-35S is a multifunctional additive that enhances thermal stability, UV resistance, and smoke suppression in polymer systems. Its high dehydration temperature makes it ideal for use in halogen-free, high-performance applications.

- Enhances thermal and UV stability
- Acts as a smoke suppressant by promoting char formation
- Suitable for both halogen-containing and halogen-free systems
- High dehydration temperature enables use in heat-resistant polymers
- Synergistic with ATH, MDH and other inorganic flame retardants
- Uniform particle size distribution



Chemical and Physical Properties

Appearance (Physical Form)	Powder	Weight Loss (%o, at 270°C)	max 6
Appearance (Color)	White	Weight Loss (%o, at 850°C)	max 16
Boron Trioxide Content (%o)	46.5-49.5	Crystallization Water (%o)	11.5 - 16.5
Zinc Oxide Content (%o)	37.0-40.0	Particle size (d50, micron)	max 5
Moisture	max 1	Approx. Dehydration Temperature (°C)	min 95



Product Form



Powder

Polymer Applications

PVC
Polyolefins (e.g PE, PP)
Epoxyes & Polyesters
Polyamides
Elastomers (incl. TPE, silicones)
Acrylics
Phenolics

Application Areas

Wires & Cables
Paints & Coatings
Rubber Applications
Wood
Adhesives
Sealants
Agriculture*

* Zinc Borate for agricultural use is manufactured and delivered from our production facility in Brazil.