

# VENLOFR-ZNB

## PRODUCT IDENTIFICATION

- **Chemical Name:** Zinc Borate
- **Physical Form:** White Powder
- **CAS Number:** 1332-07-6

VENLOFR-ZNB is a HFFR smoke suppressant. VENLOAD-ZNB has slight solubility in water, good thermal stability, fine particle size, great free flowing. VENLOFR-ZNB is widely used in plastic, rubber and coating. It can replace antimony (III) oxide as a synergist in both halogen based and non-halogen based systems.

## SPECIFICATION

Properties	Test Methods	Units	Values
Zinc Oxide Content	ASTM B633	%	37-40
Boron Trioxide	ASTM D6980	%	45-49
Moisture	ASTM D6980	%	0.5 max.
Weight Loss (290°C)	ASTM D6980-17	%	6 max.
Weight Loss (850°C)	ASTM D6980-17	%	16 max.
Crystallization Water	ASTM D6980	%	11.5-16.5
Particle Size (d50)	ASTM C136	micron	5 max.
Dehydration Temperature	ASTM D6980	°C	>290
Appearance	-	-	White Powder

## APPLICATIONS

- VENLOFR-ZNB can be used as synergistic additives with antimony (III) oxide or other HFFR to improve the flame retardant performance, to remove smoke emission.
- VENLOFR-ZNB can replace antimony (III) oxide or halogenated flame retardants. It can be directly used in PVC, PE, Polyolefin, Epoxy Polyamide resins and rubber process. It can be also used in textile, fiber, floor, leather, wall paper, paint.
- VENLOFR-ZNB can be used as anti-corrosive, infrared absorber and fungicide for wood preservation.

## PACKAGING & STORAGE

- Packaging: 1 pallet is 1250 kg (25 kg in multilayer paper bag).
- VENLOFR-ZNB, should be stored in a manner that avoids direct exposure to sunlight and heat ( $T < 30^{\circ}\text{C}$ ). This compound should be used within 6 months after its production date.

### IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.

