

Zinc Borate

TECHNICAL DATA SHEET



Chemical Formula : $2\text{ZnO} \cdot 3\text{B}_2\text{O}_3 \cdot 3.5\text{H}_2\text{O}$
Cas No.1332-07-6 / 138265-88-0

▪ Description

Zinc borate is produced by boric acid process with high purity, high content of ZnO and B₂O₃ and high thermal stability. Zinc borate is used as an environmentally-friendly additive halogen-free flame retardant and smoke suppressant in various polymer systems.

▪ Applications

Recommended to be used in engineering plastics, rubber based compounds such as hose, conveyor belt, coated canvas, FRP, wire and cable, electrical components, coating and painting, etc.

▪ Packaging

Packaged in 25kg bags.

No.	ITEMS DESCRIBE	INDEX
01	Appearance	White Powder
02	B ₂ O ₃ (%)	47.0 - 49.0
03	ZnO (%)	37.5 - 39.5
04	Moisture%	≤0.3
05	Loss on Ignition %	13.0~15.5 (450℃)
06	Whiteness %	≥98.0
07	Particle Size, D ₅₀ μm	≤7.0
08	TGA(1%)	≥345
09	Chloride(Cl ⁻)	≤0.05
10	Sulphate(SO ₄ ²⁻)	≤0.005