

ZINC BORATE

MULTI-FUNCTIONAL SYNERGISTIC FLAME RETRADANT WITH ATO

Description:

Product Name : Zinc Borate 35-400
Equivalent Name : Chemtura ZB-467; Flrebrake ZO
Cas No. : 1335-07-6
Molecular Formula : $4\text{ZnO}\cdot\text{B}_2\text{O}_3\cdot\text{H}_2\text{O}$

Application:

Zinc Borate is one multi-functional synergistic flame retardant with Antimony Oxide etc additives in polymers to Improve flame retardant performance, It can reduce smoke evolution and adjust the balance of flame retardant properties versus mechanical, electrical and other properties.

Zinc Borate is widely used in PVC applications such as carpet, conveyor belt, wire and cable, and in Nylon, PE, PP etc engineering plastics of halogen free flame retardant systems based on ATH, and Mg OH, anti-corrosive pigment in intumescent coating and painting, ceramic glaze, milk glass, decorative paper etc fields.

Zinc Borate is also used in wood composite as fungicide to prevent from decay fungi and subterranean termites.

Z8400 grade is the standard grade, Its particle size is 3-5um which can meet most of applications of Zinc Borate.

Typical Properties:

Whiteness	99
Surface	0.5 max
Particle Size(um)	3.5
ZnO%	37.0-40.0
B ₂ O ₃	45.0-48.0
H ₂ O (hydrate,%)	13.5 - 14.5
Fineness (Residue on 45 um sieve,%)	0.1 max
Specific Gravity	2.67
Melting Point °C	980
Temp of dehydration °C	320
Refractive Index	1.58

Shipping Information: Transportation Classification: Not regulated for transportation
Packing: 25 kg / bag 900 kg / pallet 8 mt/20 FCL.