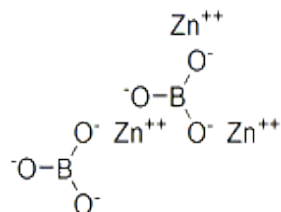


GC ZnBO₃

Zinc Borate

Formula $B_6O_{11}Zn_2$
CAS Number 12767-90-7/138265-88-0



GC ZnBO₃ is a halogen-free flame retardant additive that increases the fire resistance and gives higher performance in smoke suppressant capabilities of many polymeric systems, with or without halogens. **GC ZnBO₃** is particularly suitable for thermoplastic polymers: polyamide, PVC, polyethylene, polypropylene, polyesters, polyurethanes, elastomers, rubber formulations and epoxide resins. **GC ZnBO₃** has excellent heat resistant capabilities and is used when a high thermal stability is required, for example in PA, where processing temperatures can reach 280°C. **GC ZnBO₃** can be supplied with a specific average particle size of 4 µm and 8 µm.

PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder
Specific gravity at 25°C, g/ml	2.6
Melting point, °C	Min. 300
Solubility, Water g/L @ 21.5 °C	Max. 0.025
Particle size range, µm	2.5-10

HANDLING AND STORAGE:	The use of GC ZnBO ₃ requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information. GC ZnBO ₃ has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.
PACKAGING:	Standard packaging size of GC ZnBO ₃ is in 25 Kg bags.

IMPORTANT NOTE	Some plastic additives, fillers or pigments can influence significantly on flame retardant properties of the compound. Before using these products, please be informed. Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.
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DISCLAIMER:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.