

Anhydrous Zinc Borate ST-FS -ZB2300

Product Profile

Anhydrous zinc borate ST-FS-ZB2300 is a dehydrated zinc borate with multifunctional applications in a variety of polymers. Since it contains no water of hydration, it is stable up to 600°C. Therefore, it can be used in polymer systems requiring very high processing temperatures.

Molecular Formula: $2\text{ZnO} \cdot 3\text{B}_2\text{O}_3$

Molecular Weight: 371.6

CAS No.: 12767-90-7/1332-07-6

Specification

Item	Unit	Value
Appearance		white powder
ZnO Content	%	42.0-44.0
B ₂ O ₃ Content	%	52.0-56.0
Weight Loss Rate (TGA, 400°C)	%	<1.5
Whiteness		≥90
Volatile Content (105°C, 2hrs)	%	≤0.5
Average Particle Size (D50)	μm	≤10

Application

ST-FS-ZB2300 can be used as flame retardant and smoke suppressant in a variety of polymers including polyester, nylon, polysulfone, polyetherketone and fluoropolymer. It can also increase the CTI value of the flame-retardant polymers.

Package & Storage

20kg/package, transported as the common chemicals. Keep in dry, cool place.

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