ABS Flame-retardant Synergistic Masterbatch (GWFR-80B)

The company selects "ChenZhou" brand antimony trioxide as the main raw material, it can solve the antimony raw material shortagesupply problem by Chenzhou strong mining capacity and also the problem on surface special technique processing. Our masterbatch have edges of dust free and good distribution during performance using. As for the advantages above, more and more compounding customers are considering the masterbatch, which has relatively lower cost and dust free as well as better distribution performance.

1. Raw material requirements

1 Antimony Trioxide

Sb_2O_3	As	Pb	Fe	Ni	Cu	Cd	Se
99.8%	<0.06%	<0.06%	<30ppm	<10ppm	<10ppm	<5ppm	<10ppm
Hg	Particle Size	Colour	L	a	b	Black Spot	50μm Sieve
<10ppm	0.6-1.2 μm	White	>94	-0.5~0.5	1.5~2.5	≤10	≤0.008%

2 SAN

Tensile Strength	Flexural Strength	Flexural Modulus	Rockwell Hardness	Izod Impact Strength
720(71) kg/cm^2 (MPa)	960 (94) kg/cm^2 (MPa)	34000 (3330) kg/cm^2 (MPa)	M-80 R-Scale	1.7(17) kg-cm/cm (Jm)
Heat Deflection Temperature		Flow Index	Molding Shrinkage	Specific Gravity
90℃		4.0 g/10 min	0.2~0.5%	1.07 g/cm^3

3 Flame Retardant Synergistic Agent

Appearance	Average Particle Size	Moisture Content	Decomposition Temperature
White	2.0μm＜0.4%	＜0.4%	＞350℃

2. Recommended Dosage

Flame Retardancy Rating	1.8mm V0	2.2mm V0	2.5mm V0
Tetrabromobisphenol A (TBBPA) System	6~8%	6~8%	6~8%
Brominated Triazine System	6~8%	6~8%	6~8%

3. Character

a. No dust pollution, so workers will not skin allergy or other occupational disease.

b. Measures up the requirement of RoHS, REACH, PAHs and other environmental protection standard.

c. It has good compatibility with resin, distribution performance is good, good fluidity, high thermal stability.

d. It plays a role of coordinated effect with all kinds of flame retardants.

e. Non-loss ,reduce the dosage of antimony trioxide, effectively save resources.

4. Use

Used in SAN,ABS, etc .

5. Packaging

25 kg /bag, 1000 kg/bag, PE plastic film inside, paper-plastic composite film outside.

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