



Dongguan Baoxu Chemical Technology, Ltd.

P:+86-0769-22821082 Fax:0769-22821083

Email:info@additivesforpolymer.com Web:www.additivesforpolymer.com

8th Chenwu East Road, Houjie Town, Dongguan City, Guangdong Province, China

BX FR PVC ST

Introduction

BX FR PVC ST series is a new type of flame retardant compounded with activated environmentally friendly flame retardant and environmentally friendly antimony trioxide. It is white powder and has excellent flame retardant effect when used in PVC. It has the advantages of high temperature resistance, fine particle size and good dispersibility.

Product features:

1. Excellent flame retardant effect. Adding 3-6 parts to PVC can reach UL94-V0 (2mm);
2. Reduce the generation of molten droplets during combustion;
3. whiteness can reach the whiteness of antimony trioxide $\geq 95\%$;
4. Meet environmental protection requirements.

Product application:

Widely used in PVC cables, wire materials, PVC coatings, PVC artificial leather, etc.

Product Specifications

Item	Unit	BX FR PVC ST3	BX FR PVC ST4	BX FR PVC ST6
Appearance	-	White powder	White powder	White powder
Effect FRs	%	≥ 97	≥ 97	≥ 97
Whiteness	%	≥ 95	≥ 95	≥ 95
Fineness	Um	≤ 10	≤ 10	≤ 10

BX FR PVC application data in PVC

Material	1	2	3	4
PVC	97%	97%	96%	94%
Antimony trioxide	3%			
BX FR PVC ST3		3%		
BX FR PVC ST4			4%	
BX FR PVC ST6				6%
Vertical burn level	UL94-V0(2.0mm)	UL94-V0(2.0mm)	UL94-V0(2.0mm)	UL94-V0(2.0mm)

The information and statement herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility, Users should undertake sufficient verification and testing to determine the suitable for their own particular purpose of any information or products referred to herein. No warranty of fitness for a particular purpose is made.



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BX FR PVC ST3 application data in ABS

Series	ABS%	FR 245%	SB2O3 %	BX FR PVC ST3	FR LEVEL
1	85	15	5	0	UL94 V-0 2.0MM
2	80	15	0	6	UL94 V-0 2.0MM

BX FR PVC ST3 application data in PA6

Series	PA6%	FR DBDPE%	SB2O3 %	BX FR PVC ST3	GF%	FR LEVEL
1	52	13.5	4.5	0	30	UL94 V-0 2.0MM
2	52	13.5	0	5.4	30	UL94 V-0 2.0MM

BX FR PVC ST3 application data in PBT

Series	PA6%	FR BEO %	SB2O3 %	BX FR PVC ST3	GF%	FR LEVEL
1	57.4	9.4	3.2	0	30	UL94 V-0 2.0MM
2	57.4	9.4	0	3.8	30	UL94 V-0 2.0MM

Differences between PVC-ST3/PVC-ST4/PVC-ST6:

1. Addition amount: 3 parts of PVC-ST3, 4 parts of PVC-ST4, and 6 parts of PVC-ST6 can reach UL94-V0 (2mm) in PVC;
2. Price: PVC-ST6 is better than PVC-ST4 and PVC-ST3, but both are much lower than the price of antimony trioxide.

Remark

These product does contain antimony ingredients inside.

Packaging, storage and transportation

White powder, 25kg per bag, containing paper plastic composite film bag, storage and transportation according to non -dangerous goods.

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