威科特瑞
发挥非金属资源无限潜能

Technical Data Sheet

TCM-PVC-80

Synergistic

Flame Retardant

Product Overview: TCM-PVC-80 is an eco-friendly flame-retardant masterbatch formulated with highly activated antimony trioxide in a PVC carrier, produced via twin-screw extrusion. Its fine, pure composition ensures excellent material compatibility and processing performance. This formulation enhances production efficiency, reduces processing time, and achieves comparable flame retardancy with lower antimony trioxide usage.

Performance Indicators

Item	Appearance	Antimony Trioxide Content	DOTP	Carrier Resin
Unit	—	%	%	—
Parameter	White granules	80	7	PVC

Antimony Trioxide Specifications

Item	Unit	Parameter
Appearance	_	White powder
Whiteness	%	≥95
Average Particle Size (D50)	μm	≤1
Antimony Trioxide (Sb_2O_3)	%	≥99.8
Lead Oxide (PbO)	%	≤ 0.05
Arsenic Trioxide (As_2O_3)	%	≤ 0.05
Copper Oxide (CuO)	%	≤0.005
Iron Oxide (Fe_2O_3)	%	≤0.003

Applied Range

Widely used in general plastics, engineering plastics, modified plastics, cables, rubber, insulation materials, and related rubber-plastic industries.

Usage Method

This series of masterbatches generally does not require drying before use and can be directly mixed with composite resins and various processing aids. If the masterbatch becomes damp during transportation or storage, it should be dried prior to use.

Pack: Net weight per package: 25 kg, packaged in paper-plastic composite bags

Address: Qingyishan Industrial Park, Kuandian Manzu Autonomous County, Dandong City, Liaoning Province
Phone: +86 0415 5512939
Email: wutianci@tiancifr.com
Website: www.victoryfr.com