威科特瑞
发挥非金属资源无限潜能

Technical Data Sheet

TCP-MDH-90

Synergistic

Flame Retardant

Product Overview: TCP-MDH-90 is a synergistic flame-retardant powder compound composed of 90% antimony trioxide (Sb_2O_3) and 10% magnesium hydroxide (MH). This combination is designed to enhance flame-retardant performance while effectively suppressing smoke generation in various polymer applications.

Product Metrics

project	Unit	Value/ Description
Appearance	_	white powder
Whiteness	%	≥95
Average Particle Size (D50)	μm	≤1
Average Particle Size (D97)	μm	≤5
Moisture	%	≤0.5
Antimony Trioxide	%	90
Magnesium Hydroxide	%	10
Antimony Trioxide purity (Sb_2O_3)	%	≥99.8

Application area

Widely used in general plastics, engineering thermoplastics, wire and cable sheathing and insulation materials, elastomers, as well as thermosetting plastics such as PVC, PP, PE, ABS, PS, PU, etc.

Product Packaging and Storage

Packaging: The product is packaged in 25kg/bag kraft paper woven bags with inner plastic moisture-proof bags.

Storage: Store in a dry, well-ventilated warehouse, avoiding moisture, rain, and direct sunlight to prevent product clumping and deterioration.

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