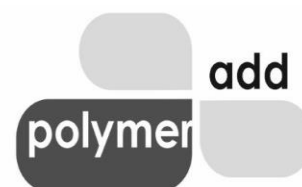


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TECHNICAL DATA SHEET

SB-OIB02

Micronized Organic + Inorganic Nucleating Blend for Polypropylene

Product Description

SB-OIB02 combines sodium benzoate with calcium carbonate (ultrafine grade). Sodium benzoate drives crystallization while calcium carbonate provides cost efficiency and stiffness enhancement. This blend is particularly suited for PP films and injection molded packaging parts.

Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Sodium Benzoate	532-32-1	Organic nucleating agent	40.0%
Calcium Carbonate (ultrafine)	471-34-1	Inorganic nucleating filler	60.0%

Physical Properties

Property	Value / Description
Appearance	Fine white powder
Particle Size (D100)	< 10 μm
Bulk Density	~0.70–1.10 g/cm ³
Flow Characteristics	Free-flowing
Moisture Content	< 0.3%

Thermal Characteristics

Component	Stability
Sodium Benzoate	~410 °C
Calcium Carbonate	Decomposes >825 °C

Storage and Handling

Store dry, sealed.

Shelf-life: 18–24 months.

Handle with dust mask, gloves.

Packaging Options

10–25 Kg bags

Bulk bags 500–1000 Kg

Disclaimer

This pre-blend is offered as a dry additive system for technical use in polymer processing. The user is responsible for verifying dosage, processing conditions, and final product performance. Polymer Add Thailand shall not be liable for any incidental or consequential damages from improper use or unverified application.