

# Polymer Add (Thailand) Co.,Ltd.

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## TECHNICAL DATA SHEET

### SB-IIB03

#### Micronized Inorganic Nucleating Blend for Polypropylene

#### Product Description

SB-IIB03 is a micronized blend of talc and kaolin (calcined clay), designed for PP automotive compounds and engineering applications requiring dimensional stability, reduced warpage, and enhanced thermal resistance.

#### Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Talc	14807-96-6	Nucleating filler	60.0%
Kaolin (calcined)	1332-58-7	Nucleating filler	40.0%

#### Physical Properties

Property	Value / Description
Appearance	Fine beige/white powder
Particle Size (D100)	< 10 µm
Bulk Density	~0.80–1.10 g/cm <sup>3</sup>
Flow Characteristics	Free-flowing
Moisture Content	< 0.5%

#### Thermal Characteristics

Component	Stability
Talc	>900 °C stable
Kaolin (calcined)	>1000 °C stable

#### Storage and Handling

Store sealed, dry, <30 °C.

Handle with PPE.

Shelf-life: 24 months.

#### Packaging Options

PE bags 25 Kg

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.