

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



TECHNICAL DATA SHEET

SB-IIB04

Micronized Inorganic Nucleating Blend for Polypropylene

Product Description

SB-IIB04 combines calcium carbonate and silica in a micronized dual system. It enhances crystallization kinetics in PP, providing a good balance of stiffness, impact, and cost efficiency.

Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Calcium Carbonate (ultrafine)	471-34-1	Nucleating filler	70.0%
Silica (amorphous/fumed)	7631-86-9	Nucleating filler	30.0%

Physical Properties

Property	Value / Description
Appearance	Fine white powder
Particle Size (D100)	< 5–7 μm
Bulk Density	~0.60–1.00 g/cm ³
Flow Characteristics	Free-flowing
Moisture Content	< 0.5%

Thermal Characteristics

Component	Stability
Calcium Carbonate	Decomposes >825 °C
Silica	>1000 °C stable

Storage and Handling

Store dry, sealed.

Handle with protective equipment.

Shelf-life: 24 months.

Packaging Options

15–25 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.