

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-IIB02

Micronized Inorganic Nucleating Blend for Polypropylene

Product Description

SB-IIB02 is a dual inorganic nucleating agent blend of talc and silica (amorphous/fumed). It enhances crystallization rate and stiffness while reducing cycle time in polypropylene thin-wall and specialty molding.

Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Talc	14807-96-6	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	$\sim 0.40\text{--}0.70 \text{ g/cm}^3$
Flow Characteristics	Free-flowing
Moisture Content	< 0.5%

Thermal Characteristics

Component	Stability
Talc	>900 °C stable
Silica	>1000 °C stable

Storage and Handling

Store in cool, dry place.

Handle with PPE.

Shelf-life: 24 months.

Packaging Options

10–25 Kg PE bags

500–1000 Kg big bags

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.