

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-OIB01

Micronized Organic + Inorganic Nucleating Blend for Polypropylene

Product Description

SB-OIB01 is a micronized additive blend combining sodium benzoate with talc. Sodium benzoate accelerates crystallization, while talc reinforces stiffness and dimensional stability. The blend reduces molding cycle time, improves heat resistance, and lowers warpage in PP automotive and appliance compounds.

Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Sodium Benzoate	532-32-1	Organic nucleating agent	30.0%
Talc ($\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$)	14807-96-6	Inorganic nucleating filler	70.0%
Aerosil R972 (optional)	63231-67-4	Flow aid	0.3%

Physical Properties

Property	Value / Description
Appearance	Fine off-white powder
Particle Size (D100)	< 15 μm
Bulk Density	~0.60–1.00 g/cm ³
Flow Characteristics	Free-flowing
Moisture Content	< 0.3%

Thermal Characteristics

Component	Stability
Sodium Benzoate	~410 °C (decomposition)
Talc	Stable >900 °C
Aerosil R972	>250 °C (amorphous silica)

Storage and Handling

Store in sealed containers <30 °C, dry conditions.

Shelf-life: 12 months.

PPE recommended for fine powders.

Packaging Options

15–25 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.