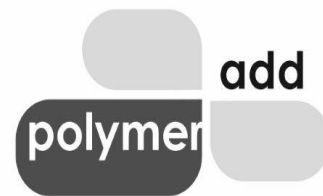


# Polymer Add (Thailand) Co.,Ltd.

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

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## TECHNICAL DATA SHEET

### PVC-PROBLEND WP 1040

*Micronized Additive Blend for PVC Window Profiles*

### Product Description

PVC-ProBlend WP 1040 is a high-performance micronized additive blend specifically engineered for rigid PVC window profile extrusion. It combines external and internal lubricants with acrylic processing aid and flow modifiers to deliver superior melt behavior, fusion control, and surface finish.

### Key Features and Benefits

- Enhances surface gloss and dimensional accuracy
- Promotes smooth extrusion and fusion at lower energy input
- Improves melt strength and reduces die build-up
- Reduces number of additives required during compounding
- Easy-flowing micronized powder with low caking tendency

### Typical Composition

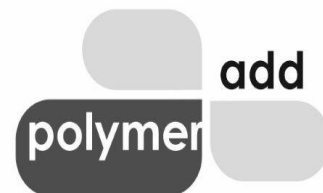
Component	Function	% w/w	CAS Number
Micronized PE Wax	External lubricant, improves gloss, reduces die drag	40%	9002-88-4
Calcium Stearate	Internal lubricant, aids melt flow and thermal stability	20%	1592-23-0
Zinc Stearate	Thermal co-stabilizer, supports fusion	10%	557-05-1
Acrylic Processing Aid	Enhances melt strength, fusion, and surface finish	20%	9011-87-4
Fumed Silica (R972 type)	Flow aid, prevents caking	2%	112945-52-5
Moisture Buffer (optional)	Controls humidity and improves shelf stability	8%	471-34-1 / 112926-00-8
TOTAL		100%	

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## Typical Physical Properties

Property	Value
Appearance	White to off-white free-flowing powder
Bulk Density	0.25 – 0.35 g/cm <sup>3</sup>
Particle Size (D100)	< 20 µm
Particle Size (D50)	5 – 8 µm
Melting Point Range	100 – 120 °C (majority component basis)
Moisture Content	< 0.3% (if stored properly)
Odor	Odorless or faint waxy

## Recommended Applications

- Rigid PVC window and door profiles
- High-speed extrusion of weather-resistant PVC sections
- Profiles requiring high-gloss surfaces and tight dimensional control

## Recommended Dosage

Use at **0.5 – 1.5 phr** in the PVC compound, depending on processing conditions and filler content.

## Packaging and Storage

Item	Details
Packaging	20 kg paper bag with PE liner or HDPE drum
Shelf Life	12 months from date of manufacture
Storage Conditions	Cool, dry area; avoid direct sunlight and moisture

## Regulatory Compliance

- Components comply with general industrial use standards for PVC extrusion.
- Not certified for direct food contact or pharmaceutical applications.

*This preblend is offered as a dry additive system designed for technical use in polymer processing. The user is responsible for determining the appropriate dosage, processing parameters, and compatibility with their specific polymer and equipment. Polymer Add Thailand shall not be liable for any consequential or incidental damages arising from incorrect use or unverified end-application performance*