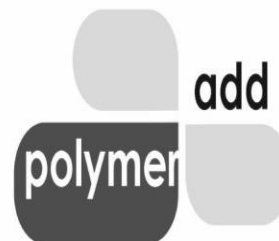


# Polymer Add (Thailand) Co.,Ltd.

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](mailto:contact@polymeradd.co.th)



## TECHNICAL DATA SHEET

### VARNISHMICROBLEND V75

### Micronized Additive Blend for Overprint Varnishes (OPVs)

#### Product Description

VarnishMicroBlend V75 is a specialized micronized powder additive blend formulated to improve surface slip, scratch resistance, and gloss control in overprint varnishes. It is compatible with water-based, UV-curable, and solvent-based OPVs used in packaging, labels, and commercial print finishes. It imparts a balanced matte-satin finish with excellent anti-blocking and scuff resistance.

#### Component Composition

Component	Function	% w/w	CAS Number
Micronized PE Wax	Slip enhancement, scuff resistance	35%	9002-88-4
Micronized PP Wax	Gloss reduction, anti-blocking	15%	9003-07-0
PTFE Micropowder (Fine Grade)	Scratch resistance, low surface energy	10%	9002-84-0
Synthetic Amide Wax	Mar resistance, satin surface	15%	68953-58-2
Dispersible Fumed Silica	Rheology and flow control	5%	112945-52-5
Silicone-Treated Silica	Anti-blocking, smooth hand-feel	10%	68909-20-6 63148-62-9
Moisture Buffer (Calcium-Based)	Prevents clumping, enhances powder stability during storage	10%	471-34-1 112926-00-8
Total:		100%	

#### Typical Physical Properties

Property	Typical Value
Appearance	Fine white free-flowing powder
Particle Size (D50)	< 8 $\mu\text{m}$
Particle Size (D90)	< 16 $\mu\text{m}$
Bulk Density	~0.35 g/cm <sup>3</sup>
Melting Range	100 – 135 °C
Surface Nature	Hydrophobic
Odor	Neutral

#### Recommended Applications

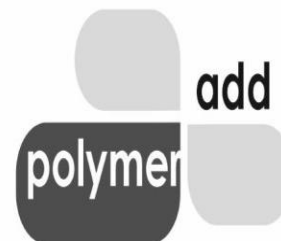
- Water-based overprint varnishes
- UV and LED-curable OPVs
- Solvent-based topcoats for paper, film, and board
- Hybrid OPV systems for folding cartons and labels

# 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](mailto:contact@polymeradd.co.th)



## Dosage Recommendation

Use at **0.5% – 2.5%** by weight depending on gloss level, substrate, and coating method.

## Packaging and Storage

Item	Details
Packaging	10–20 kg kraft bag with PE liner or HDPE drum
Shelf Life	12 months if stored dry and sealed
Storage Conditions	Store in cool, dry conditions; avoid direct sunlight and humidity

*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*

Document Ref: 2025 INKS MICROBLEND VARNISHMICROBLEND V75 TDS\_v1.0 | Issued: **July 2025** | Supersedes all previous versions