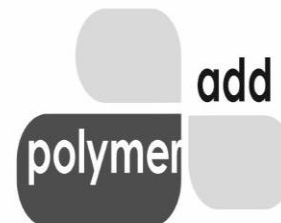


Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

PACKINK MICROBLEND P60

Micronized Additive Blend for Packaging Inks (Corrugated & Films)

Product Description

PackInk MicroBlend P60 is a multifunctional micronized additive blend designed to improve the performance of packaging inks used on corrugated substrates, paper, and flexible plastic films. It enhances rub resistance, print clarity, and anti-blocking properties, while supporting smooth transfer and drying in flexographic, gravure, and offset printing systems. The blend also reduces dusting and improves shelf stability.

Component Composition

Component	Function	% w/w	CAS Number
Micronized PE Wax	Rub resistance, anti-blocking, and slip	45%	9002-88-4
Synthetic Amide Wax	Scratch resistance, water repellency	20%	68953-58-2
Micronized PTFE (fine grade)	High-performance abrasion resistance	10%	9002-84-0
Dispersible Fumed Silica	Rheology control, anti-settling	5%	112945-52-5
Modified Polysiloxane Wax	Slip and anti-blocking for plastic films	5%	Proprietary blend
Acrylic Flow Modifier	Leveling and pigment orientation	5%	9011-87-4
Moisture Buffer (Calcium-Based)	Humidity stability, prevents clumping during storage	10%	471-34-1 112926-00-8
Total		100%	

Typical Physical Properties

Property	Typical Value
Appearance	Fine white to off-white powder
Particle Size (D50)	< 9 μm
Particle Size (D90)	< 18 μm
Bulk Density	~0.30 – 0.40 g/cm ³
Melting Range	~95 – 140 °C
Surface Nature	Hydrophobic
Odor	Neutral

Recommended Applications

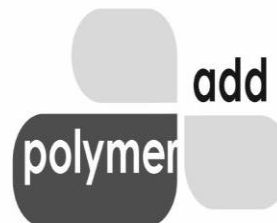
- Water-based and solvent-based flexographic inks
- Gravure inks for flexible packaging
- Offset inks for paperboard
- Corrugated box inks and label overprint coatings

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Dosage Recommendation

Use at **0.5% – 3.5%** by weight in the final ink system. Dosage should be optimized based on press speed, substrate, and print requirements.

Packaging & Storage

Packaging	10 kg / 15 kg PE-lined drums or multi-layer foil-lined bags
Storage	Store in a dry area below 35°C. Reseal tightly after each use
Shelf Life	24 months from manufacturing date in original sealed packaging

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

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Supersedes all previous versions