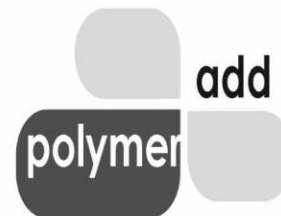


# Polymer Add (Thailand) Co.,Ltd.

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

### INDUCOAT MICROBLEND G40

*Micronized Additive Blend for Powder Coating – General Industrial Applications*

#### Product Description

InduCoat MicroBlend G40 is a durable, multifunctional micronized additive blend developed for general industrial powder coatings. It provides enhanced abrasion resistance, smoother film appearance, and better powder flow in automated spraying systems. Ideal for machinery housings, tools, equipment frames, and structural parts.

#### Key Features and Benefits

- Improves surface slip and abrasion resistance
- Prevents blocking and scuffing during storage and assembly
- Enhances powder flow for consistent electrostatic application
- Supports uniform finish in textured, matte, or gloss coatings
- Improves pigment orientation in dark and metallic systems

#### Typical Composition

Component	Function	% w/w	CAS Number
Micronized PE Wax	Surface protection and anti-blocking	40%	9002-88-4
Synthetic Amide Wax	Mar resistance and improved surface durability	15%	68953-58-2
Calcium Stearate (micronized)	Powder flow enhancer and mild internal lubricant	10%	1592-23-0
Fumed Silica (R972 type)	Flow aid and anti-caking agent	2%	112945-52-5
Antioxidant 1010	Thermal stability during processing and curing	3%	6683-19-8
Acrylic Processing Aid	Gloss control and film uniformity	10%	9011-87-4
Polyether-Modified Silicone Additive	Slip enhancement and release properties	10%	27306-78-1
Moisture Buffer (optional)	Prevents clumping, extends storage life	10%	471-34-1 112926-00-8
TOTAL		100%	

#### Typical Physical Properties

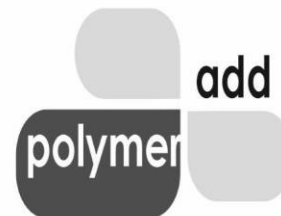
Property	Value
Appearance	White to light gray free-flowing powder
Bulk Density	0.32 – 0.42 g/cm <sup>3</sup>
Particle Size (D100)	< 20 µm
Particle Size (D50)	7 – 10 µm
Melting Point Range	100 – 130 °C (blend basis)
Moisture Content	< 0.5%
Odor	Neutral to faint waxy

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## Recommended Applications

- Powder coatings for machine frames, tool housings, agricultural and industrial equipment
- Structural steel parts, fasteners, valves, and electrical enclosures
- Gloss, matte, and textured polyester, epoxy, and hybrid coatings

## Recommended Dosage

- **0.8 – 2.0 phr** depending on formulation, gloss level, and durability requirements

## Packaging and Storage

Item	Details
Packaging	20 kg kraft bag with PE liner or HDPE drum
Shelf Life	12 months from manufacture under sealed storage
Storage Conditions	Store in a cool, dry place; avoid sunlight and moisture exposure

## Regulatory Compliance

- All components meet general industrial safety and chemical regulations
- Not certified for medical, pharmaceutical, or food-contact 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***

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