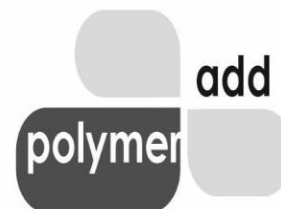


Polymer Add (Thailand) Co.,Ltd.

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

POWDERCOAT MICROBLEND PC70

Micronized Additive Blend for Powder Coating Applications

Product Description

POWDERCOAT MICROBLEND PC70 is a pre-dispersed, micronized additive blend engineered to enhance the performance of powder coating systems. It provides optimized surface smoothness, matting, improved barrier properties, UV protection, and anti-sag behavior. Designed for ease of blending and consistency in high-speed extruders and electrostatic application systems.

Micronized Ingredient Composition

Chemical Name	CAS Number	Function	Typical % (w/w)
Micronized Talc	14807-96-6	Filler, anti-sag, matting	50.00
Micronized Mica	12001-26-2	Barrier layer, gloss control	25.00
Barium Sulfate (Micronized)	7727-43-7	Opacity, gloss enhancement	10.00
PTFE Powder (Micronized)	9002-84-0	Scratch resistance, surface slip	2.00
Micronized Polyethylene Wax	9002-88-4	Texture, matting agent	5.00
Zinc Oxide (Micronized)	1314-13-2	Anti-corrosion, UV protection	1.50
Hydrophobic Fumed Silica	68909-20-6	Flow aid, anti-caking	1.50
TOTAL			100.00

Physical Properties

Property	Value
Appearance	Fine off-white to light gray powder
D50 Particle Size	< 10 μm
Bulk Density	0.35–0.50 g/cm ³
Moisture Content	< 0.5%
Shelf Life	24 months from production date
Compatibility	Polyester, Epoxy, Hybrid resins

Recommended Dosage

Use at 2.0% to 5.0% w/w in powder coating formulations depending on desired surface effect and mechanical properties.

Storage and Handling

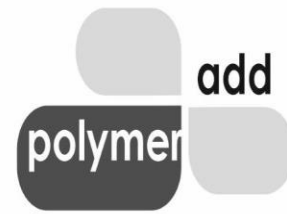
Store in original sealed packaging in a cool, dry place. Avoid exposure to moisture and high humidity. Ensure handling area is dust controlled. Use with suitable PPE.

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



Packing Instructions

Packaging Format	Details
Standard Bag	10 kg PE-lined Kraft Paper Bag
Optional	5 kg HDPE double-sealed bags
Palletization	500 kg per pallet (50 bags x 10 kg)
Labelling	Product Name, Batch No, Net Weight, MFG Date, Expiry Date
Storage Condition	$\leq 30^{\circ}\text{C}$, RH < 60%, dry area

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: POWDERCOAT MICROBLEND PC70 TDS_v1.0 | Issued: **July 2025** | Supersedes all previous versions