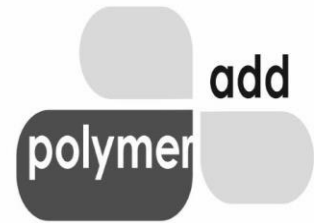


Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

ARCHICOAT MICROBLEND X60

Micronized Additive Blend for Powder Coating – Architectural Applications

Product Description

ArchiCoat MicroBlend X60 is a premium micronized additive blend tailored for powder coatings applied to architectural components such as aluminum windows, doors, curtain walls, and fences. It enhances surface slip, UV resistance, and mar protection while improving powder flow and gloss uniformity across large, exposed surfaces.

Key Features and Benefits

- Provides excellent surface slip and anti-blocking performance
- Enhances weathering and UV resistance in exterior environments
- Promotes even pigment dispersion and improved gloss leveling
- Minimizes orange peel and flow defects in large-area panels
- Compatible with Super Durable Polyester and TGIC-free systems

Typical Composition

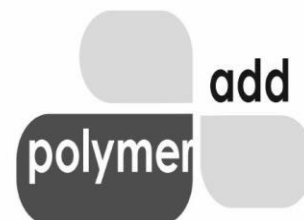
Component	Function	% w/w	CAS Number
Micronized PE Wax	Surface slip, anti-blocking, gloss control	40%	9002-88-4
Synthetic Amide Wax	Mar resistance and flow improvement	15%	68953-58-2
UV-Stable Acrylic Wax	Enhances weatherability and smooth finish	10%	Proprietary
Fumed Silica (R972 type)	Flow modifier and anti-caking	2%	112945-52-5
Antioxidant 1010	Prevents thermal degradation during curing	3%	6683-19-8
Slip Additive (Silicone Resin Type)	Improves release and prevents metal marking	5%	63148-62-9
Moisture Buffer (optional)	Stabilizes blend against humidity and agglomeration	15%	471-34-1 112926-00-8
Ethylene-propylene oxide copolymer	Improves pigment orientation and color strength in topcoats	10%	9003-11-6
TOTAL		100%	

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Typical Physical Properties

Property	Value
Appearance	White to off-white free-flowing powder
Bulk Density	0.28 – 0.38 g/cm ³
Particle Size (D100)	< 20 µm
Particle Size (D50)	6 – 10 µm
Melting Point Range	95 – 125 °C (blend basis)
Moisture Content	< 0.5%
Odor	Neutral to faint waxy

Recommended Applications

- Aluminum and steel window frames, panels, and extrusions
- Architectural fencing, balustrades, and gates
- Powder coatings requiring high UV durability and surface consistency

Recommended Dosage

- **0.8 – 2.0 phr** based on total powder formulation weight
- Suitable for use in Super Durable Polyester, TGIC-free, and polyurethane-based systems

Packaging and Storage

Item	Details
Packaging	20 kg kraft paper bag with inner PE liner
Shelf Life	12 months in original sealed packaging
Storage Conditions	Store in a cool, dry place; avoid heat and humidity

Regulatory Compliance

- All ingredients are compliant with general industrial coating regulations
- Not certified for direct food contact or potable water 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