

Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

FABRIMATCH MICROBLEND F65

Micronized Additive Blend for Footwear and Textile Adhesives

Product Description

FABRIMATCH MicroBlend F65 is a micronized powder additive system developed to improve flowability, surface finish, bond line flexibility, and thermal resistance in footwear and textile adhesive formulations. It is compatible with EVA, TPU, and polyolefin-based adhesive systems and helps achieve smooth surface bonding and better performance under flex, heat, and load conditions.

Micronized Ingredients

Chemical Name	Function	% Composition	CAS Number
Micronized Polyethylene Wax (D100 < 20 µm)	Carrier Slip enhancer Melt control	30.00%	9002-88-4
Micronized Glycerol Monostearate (GMS 90%)	Internal lubricant Melt flow enhancer	20.00%	31566-31-1
Zinc Stearate (Micronized)	Process lubricant Bonding line release modifier	15.00%	557-05-1
Micronized Talc (High Purity)	Flexibility Filler stabilization	15.00%	14807-96-6
Hydrophobic Fumed Silica (R972 Equivalent)	Anti-caking Moisture resistance	10.00%	68909-20-6
Polyether-Modified Polydimethylsiloxane	Surface slip Anti-blocking finish improvement	5.00%	27306-78-1
Synthetic Amorphous Silica	Flow aid Powder stabilizer	5.00%	112926-00-8
TOTAL		100.00%	

Typical Properties

Property	Value / Description
Appearance	Fine off-white powder
Odour	Neutral to slightly waxy
Particle Size (D100)	< 20 microns
Melting Range	85–130°C (dependent on wax and GMS phase)
Bulk Density	~0.40–0.48 g/cm ³
Compatibility	EVA, TPU, PO-based adhesives for footwear/textiles
Moisture Content	< 0.5%

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Applications

- EVA and TPU-based adhesive powders for shoe soles and uppers
- Textile lamination adhesives (e.g., woven/non-woven to foam/fabric)
- Transfer film adhesives used in garment and automotive interiors
- Polyolefinic powder adhesives for bonding synthetic leather and fabric

Processing Guidance

- Blend with adhesive resin powders in dry mixers or spiral blenders
- Pre-dry under low heat if humidity is high to prevent caking
- Recommended usage: 1.5–3.5% depending on adhesive formulation

Packing Instructions

Packing Type	Description
Bag Type	Kraft Paper Bag with Inner PE Liner
Net Weight	20 Kg
Palletization	40 Bags per Pallet (800 Kg net weight)
Optional	Vacuum-sealed or foil-lined drum for humidity protection
Labeling	Product Name, Code, Batch No., Mfg. Date, Expiry
Shelf Life	24 months in sealed, dry condition
Storage	Store in cool, dry environment; avoid moisture and sunlight

Footnote

- *Micronized resins (e.g., EVA, PU, Hydrocarbon Resin) are available as separate products for users seeking to customize their Footwear and Textile Adhesives.*

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