

Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

LABELMATCH MICROBLEND L55

Micronized Additive Blend for Label and Tape Adhesives

Product Description

LABELMATCH MicroBlend L55 is a specialized micronized powder additive blend formulated to improve surface release, reduce adhesive buildup on cutters, and enhance flow control in label and tape adhesive systems. It is ideal for EVA, APAO, and polyolefin-based hot melt adhesives as well as pressure-sensitive adhesive (PSA) systems.

Micronized Ingredients

Chemical Name	Function	Composition %	CAS Number
Micronized Polyethylene Wax (D100 < 20 µm)	Slip Agent Anti-Blocking Surface Finish Enhancer	35.00%	9002-88-4
Glycerol Monostearate (GMS 90%)	Melt Flow Controller Internal Lubricant	20.00%	31566-31-1
Zinc Stearate (Micronized)	Die-Release Modifier Friction Reducer	15.00%	557-05-1
Polyether-Modified Polydimethylsiloxane	Release Agent Cutter Buildup Control	10.00%	27306-78-1
Hydrophobic Fumed Silica (R972 Equivalent)	Anti-Caking Moisture Protection	10.00%	68909-20-6
Synthetic Amorphous Silica	Free-Flowing Aid Anti-Agglomeration	10.00%	112926-00-8
TOTAL		100.00%	

Typical Properties

Property	Value / Description
Appearance	Fine off-white to cream powder
Odour	Neutral
Particle Size (D100)	< 20 microns
Melting Range	90–130 °C (depending on wax and GMS content)
Bulk Density	~0.38–0.44 g/cm ³
Compatibility	EVA, APAO, PO-based HMAs and PSAs for label/tape use
Moisture Content	< 0.5%

Applications

- Hot melt adhesives for pressure-sensitive labels
- PSA tapes and sticker adhesives
- Transfer adhesives for liners and release systems

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- EVA- or PO-based packaging label adhesives
- Prevents edge gumming and roll buildup on high-speed lines

Processing Guidance

- Dry blend with adhesive powder/resin prior to extrusion or film casting
- Can be added to powder adhesive feed or pre-mixed granules
- Recommended dosage: 1.0–3.0% depending on coating line requirements

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	PE Drum or Vacuum-Sealed Bag for export shipments
Labeling	Product Name, Code, Batch No., Mfg. Date, Expiry
Shelf Life	24 months in sealed, dry storage conditions
Storage	Store in cool, dry place away from direct heat and humidity

Footnote

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

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