

Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

LAMINMATCH MICROBLEND L85

Micronized Additive Blend for Heat-Activated Lamination Adhesives

Product Description

LAMINMATCH MicroBlend L85 is a functional micronized powder additive blend designed to enhance melt uniformity, reduce hot-tack variability, and improve flexibility and surface quality in heat-activated lamination adhesives. This blend is resin-free and intended for EVA, TPU, polyolefin-based or polyester lamination systems.

Micronized Ingredients

Chemical Name	Function	Composition %	CAS Number
Polyethylene Wax (D100 < 20 µm)	Slip Agent Melt Flow Modifier	30.00%	9002-88-4
Glycerol Monostearate (GMS 90%)	Internal Lubricant Thermal Bonding Aid	20.00%	31566-31-1
Zinc Stearate (Micronized)	Lubricant Anti-Stick Agent	15.00%	557-05-1
Micronized Talc	Flexibility Enhancer Thermal Flow Controller	15.00%	14807-96-6
Hydrophobic Fumed Silica (R972 Equivalent)	Anti-Blocking Moisture Barrier	10.00%	68909-20-6
Synthetic Amorphous Silica	Free-Flowing Aid Anti-Caking Agent	10.00%	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	90–130 °C (depending on base resin blend)
Bulk Density	~0.40–0.46 g/cm ³
Compatibility	EVA, TPU, PE, Polyester lamination adhesive systems
Moisture Content	< 0.5%

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Applications

- Heat-activated lamination films (e.g., foil to fabric, foam to textile)
- Shoe insoles, automotive interior laminates
- Roll-to-roll lamination systems for packaging and textile bonding
- Multilayer panels in furniture and industrial fabrics

Processing Guidance

- Blend directly with lamination adhesive resin powder prior to film casting or pre-coating
- Maintain storage humidity <50% RH to avoid agglomeration
- Recommended dosage: 1.5–3.0% of total 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 liner bag or PE drum for moisture-sensitive orders
Labeling	Product Name, Batch No., Mfg. Date, Expiry
Shelf Life	24 months from date of manufacture (sealed, cool dry storage)
Storage	Store in covered, ventilated area away from moisture and heat

Footnote

Micronized resins (e.g., EVA, PU, Hydrocarbon Resin) are available as separate products for users seeking to customize their Heat-Activated Lamination Adhesives.

Date of Creation : July 2025