

Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

HOTMELT-MATCH MICROBLEND H75

Micronized Additive Blend for Hot Melt Adhesives (HMA)

Product Description

HOTMELT-Match MicroBlend H75 is a micronized additive combination engineered to enhance processing, surface properties, and thermal performance of hot melt adhesives. This pre-blend improves melt viscosity control, flow characteristics, anti-blocking, and surface slip, especially in EVA, APAO, and PE-based HMA systems.

Micronized Ingredients

CHEMICAL NAME	FUNCTION	% COMPOSITION	CAS NUMBER
Polyethylene Wax (D100 < 20 µm)	Carrier Viscosity Modifier Surface Slip Agent	35.00%	9002-88-4
Glycerol Monostearate (GMS 90%)	Internal Lubricant Melt Stabilizer	20.00%	31566-31-1
Zinc Stearate	Flow Enhancer Release Agent	15.00%	557-05-1
Hydrophobic Fumed Silica (R972 Equivalent)	Anti-Blocking Rheology Control	10.00%	68909-20-6
Synthetic Amorphous Silica	Flow Aid Anti-Caking Agent	10.00%	112926-00-8
Polyether-Modified Polydimethylsiloxane	Surface Slip Anti-Stick Coating	10.00%	27306-78-1
TOTAL			100.00%

Typical Properties

Property	Value / Description
Appearance	Fine off-white powder
Odour	Slight waxy to neutral
Particle Size (D100)	< 20 microns
Melting Range	80–130°C (multi-phase melt due to wax + GMS)
Bulk Density	~0.38–0.45 g/cm ³
Compatibility	EVA, PE, APAO, TPU-based hot melt systems
Moisture Content	< 0.5%

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Applications

- EVA/PE-based Hot Melt Adhesives (e.g., packaging, bookbinding)
- APAO-based Hot Melts for hygiene and technical bonding
- Reactive or pressure-sensitive hot melts (with custom formulation)
- Enhances open time control, reduces stringing, improves flowability

Processing Guidance

- Dry blend with hot melt resin before melt mixing
- Compatible with standard hot melt mixers, extruders, or compounders
- Recommended dosage: 1.5–3.0% of total formulation

Packing Instructions

Packing Type	Description
Bag Type	Multilayer Kraft Bag with PE Liner
Net Weight	20 Kg
Palletization	40 Bags per Pallet (800 Kg net per pallet)
Optional	PE drum or vacuum-sealed liner for extended storage
Labeling	Product Code, Batch No., Mfg. Date, Expiry
Shelf Life	24 months if sealed and stored in dry conditions
Storage	Cool, dry area; avoid humidity and direct sunlight

Footnote

- *Micronized resins (e.g., EVA, PU, Hydrocarbon Resin) are available as separate products for users seeking to customize their Hot Melt Adhesives (HMA) formulations.*

Date of Creation : July 2025