

Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

LAMIBOND R72

Micronized Additive Blend for Lamination Adhesives
(Rheology & Surface Control)

Product Description

LAMIBOND R72 is a micronized powder additive system designed to enhance surface properties and control rheology in lamination adhesives. It is ideal for solvent-based or heat-activated adhesives and helps improve adhesion, anti-blocking properties, and surface smoothness in flexible packaging and laminates.

Micronized Ingredients

Chemical Name	Function	Composition %	CAS Number
GMS (Glycerol Monostearate)	Surface Slip Modifier Improves Anti-Blocking	40.00%	31566-31-1
Fumed Silica (A200)	Thixotropic Agent Improves Suspension Stability	30.00%	112945-52-5
Micronized PE Wax (HDPE)	Anti-Blocking Agent Reduces Tack	30.00%	9002-88-4
TOTAL		100.00%	

Typical Properties

Property	Value / Description
Appearance	Fine white powder
Odour	Neutral
Particle Size (D90)	< 10 microns
Bulk Density	~0.40–0.48 g/cm ³
Compatibility	PU, EVA-based and solvent-based adhesives
Moisture Content	< 0.5%

Applications

- Pressure-sensitive adhesives (PSA) for labels, tapes, and packaging
- Solvent-based adhesives for paper, film, and foam laminates
- Hot-melt adhesives for bonding in packaging, textiles, and automotive interiors

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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: 1.5–3.0% 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 Lamination Adhesives.

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