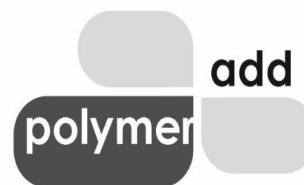


Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

REACTIVEMATCH MICROBLEND R60

Micronized Additive Blend for Reactive Powder Adhesives

Product Description

REACTIVEMATCH MicroBlend R60 is a micronized powder additive blend designed to enhance the processing, thermal control, and flowability of reactive powder adhesives such as polyurethane (PUR) and other moisture-cured adhesive systems. The formulation minimizes premature reactivity, stabilizes the blend during storage, and ensures consistent dispersion during bonding.

Micronized Ingredients

Chemical Name	Function	Composition %	CAS Number
Polyethylene Wax (Micronized D100 < 20 µm)	Carrier, melt control, slip agent	30.00%	9002-88-4
Glycerol Monostearate (Micronized GMS 90%)	Melt stabilizer, internal lubricant	20.00%	31566-31-1
Zinc Stearate (Micronized)	Flow enhancer, anti-caking, thermal regulator	15.00%	557-05-1
Hydrophobic Fumed Silica (R972 Equivalent)	Moisture barrier, anti-blocking	10.00%	68909-20-6
Micronized Talc	Rheological modifier, filler stabilization	10.00%	14807-96-6
Synthetic Amorphous Silica	Flow aid, free-flowing stabilizer	10.00%	112926-00-8
Polyether-Modified Polydimethylsiloxane	Anti-stick, improves surface slip and release	5.00%	27306-78-1
TOTAL		100.00%	

Typical Properties

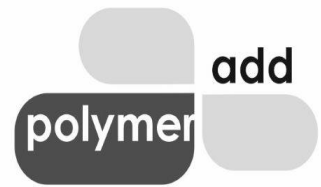
Property	Value / Description
Appearance	Fine off-white to light gray powder
Odour	Neutral to mild waxy
Particle Size (D100)	< 20 microns
Melting Range	85–130°C (based on wax + GMS)
Bulk Density	~0.38–0.45 g/cm ³
Compatibility	PUR, TPU, hybrid reactive powder adhesive systems
Moisture Content	< 0.5%

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Applications

- Moisture-curable polyurethane powder adhesives
- Reactive laminating adhesives for technical textiles and foams
- Footwear and automotive bonding systems using reactive powder blends
- Multi-layer composite bonding in construction panels

Processing Guidance

- Dry blend with base PUR powder under controlled humidity
- Avoid exposure to ambient air for extended periods
- Recommended dosage: 1.5–3.5% of total adhesive formulation

Packing Instructions

Packing Type	Description
Bag Type	Multiwall Kraft Bag with PE Inner Liner
Net Weight	20 Kg per bag
Palletization	40 Bags per Pallet (800 Kg net weight)
Optional	Vacuum-sealed liner bag or inert gas-flushed PE drum
Labeling	Product Name, Code, Batch No., Mfg. Date, Expiry
Shelf Life	24 months in sealed condition; sensitive to humidity
Storage	Store in dry, cool area; avoid contact with air and moisture

Footnote

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

Date of Creation : July 2025