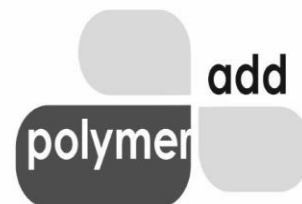


Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



TECHNICAL DATA SHEET

PVC-SHEETBLEND RS 5080

Micronized Additive Blend for Rigid PVC Sheet Extrusion

Product Description

PVC-SheetBlend RS 5080 is a micronized multifunctional additive blend tailored for rigid PVC sheet manufacturing. It combines lubricants, fusion promoters, and stabilizers to improve surface quality, thermal stability, and processing speed during extrusion or calendaring of rigid PVC sheets.

Key Features and Benefits

- Improves surface smoothness and gloss
- Optimizes fusion and melt strength for high-output lines
- Reduces friction in calender rolls and extruder barrels
- Enhances thermal stability and reduces discoloration
- Supports wide processing window for sheet thickness control

Typical Composition

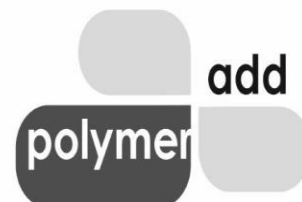
Component	Function	% w/w	CAS Number
Micronized PE Wax	External lubricant; improves gloss and roll release	35%	9002-88-4
Calcium Stearate	Internal lubricant; enhances melt flow	20%	1592-23-0
Zinc Stearate	Thermal stabilizer; supports fusion and prevents yellowing	10%	557-05-1
Acrylic Processing Aid	Fusion enhancer; increases surface quality and stiffness	20%	9011-87-4
Antioxidant 1010	Primary antioxidant; prevents thermal degradation	5%	6683-19-8
Fumed Silica (R972 type)	Flow aid, anti-caking agent for storage and handling	2%	112945-52-5
Moisture Buffer (optional)	Prevents moisture pickup in storage and transportation	8%	471-34-1 / 112926-00-8
TOTAL		100%	

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



Typical Physical Properties

Property	Value
Appearance	White to off-white free-flowing powder
Bulk Density	0.25 – 0.35 g/cm ³
Particle Size (D100)	< 20 µm
Particle Size (D50)	6 – 9 µm
Melting Point Range	100 – 120 °C (dominant component basis)
Moisture Content	< 0.3% (if stored properly)
Odor	Neutral to faint waxy

Recommended Applications

- Rigid PVC sheets (calendered and extruded)
- PVC signage sheets, decorative panels, thermoforming stock
- High-gloss and printable PVC sheets

Recommended Dosage

- **0.8 – 1.5 phr** based on PVC resin weight
- Optimize based on extrusion or calendaring line speed and sheet thickness

Packaging and Storage

Item	Details
Packaging	20 kg multilayer paper bag with inner PE liner
Shelf Life	12 months from date of manufacture
Storage Conditions	Store in dry, shaded warehouse; avoid high humidity and heat

Regulatory Compliance

- Ingredients comply with general industrial and polymer processing regulations
- Not certified for direct food contact or pharmaceutical applications

This preblend is offered as a dry additive system designed for technical use in polymer processing. The user is responsible for determining the appropriate dosage, processing parameters, and compatibility with their specific polymer and equipment. Polymer Add Thailand shall not be liable for any consequential or incidental damages arising from incorrect use or unverified end-application performance