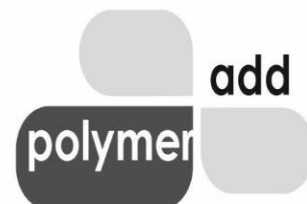


# Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, 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

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## TECHNICAL DATA SHEET

### PVC-MICROBLEND SB 5080

#### High-Gloss, Flow-Enhancing Additive System for Rigid PVC

#### Product Description

**PVC-MICROBLEND SB 5080** is a high-performance dry additive blend that enhances **melt flow**, **gloss**, and **processing stability** in rigid PVC applications. It contains a balanced mix of lubricants, internal processing aids, and fillers to optimize extrusion and calendering performance without introducing dust or incompatibility.

#### Composition

| Chemical Name                   | CAS Number | Function                                | Typical % (w/w) |
|---------------------------------|------------|---|-----------------|
| Calcium Carbonate (Micronized)  | 471-34-1   | Filler, dimensional control             | 30.00           |
| Micronized PE Wax               | 9002-88-4  | External lubricant                      | 20.00           |
| Sucrose Benzoate                | 115-70-8   | Gloss enhancer, internal processing aid | 15.00           |
| Glycerol Monostearate (GMS 90%) | 31566-31-1 | Internal lubricant, co-compatibilizer   | 10.00           |
| Acrylic Processing Aid (ACR)    | 25852-37-3 | Fusion promoter                         | 5.00            |
| Micronized Stearic Acid         | 57-11-4    | Fusion aid                              | 3.00            |
| Zinc Stearate                   | 557-05-1   | Internal lubricant, light stabilizer    | 2.00            |
| Hydrophobic Fumed Silica (R972) | 68909-20-6 | Flow control / anti-settling            | 1.00            |
| TOTAL                           |            |   | 100.00          |

#### Physical Properties

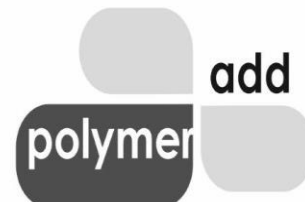
| Property             | Typical Value               |
|----------------------|-----------------------------|
| Appearance           | Fine off-white powder       |
| Bulk Density         | 0.45–0.60 g/cm <sup>3</sup> |
| Moisture Content     | < 0.5%                      |
| Particle Size (D100) | < 20 microns                |
| Compatibility        | Rigid PVC systems           |

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## Packing & Storage

| Parameter     | Specification                                      |
|---------------|--|
| Packaging     | 25 kg PE-lined kraft bags / 500 kg big bags        |
| Shelf Life    | 12 months in sealed condition                      |
| Storage       | Cool, dry area (< 35 °C), sealed to avoid moisture |
| Handling Note | Use dust extraction during mixing                  |

*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*

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