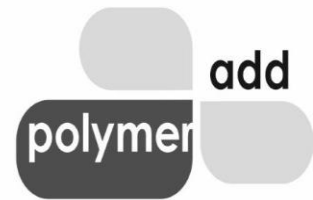


Polymer Add (Thailand) Co.,Ltd.

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TECHNICAL DATA SHEET

Product Name - PASUL-BLEND PA4015

Micronized Additive Blend for PA6 Compounds – Cost-Down & Flow Modifier

1. Product Description

PASUL-BLEND PA4015 is a micronized powder blend designed to optimize processing, reduce formulation cost, and improve flow characteristics in **Polyamide 6 (PA6)** compounds. It is especially suited for **glass-reinforced PA6** or **unfilled PA6 systems** where partial resin replacement is desired without affecting overall thermal or dimensional stability.

2. Typical Composition

Ingredient	% w/w	Function
Micronized Sodium Sulfate (coated)	70%	Thermally stable inorganic filler, cost reducer
MAH-Grafted Polymer (PE/EVA base, micronized)	10%	Coupling agent to aid bonding with PA6
Zinc Stearate (Micronized)	3%	Internal lubricant / dispersion aid
Silicone-Modified Flow Agent (Micronized)	1%	Flow enhancer
Polyolefin Carrier (Micronized)	16%	Processability / blend dispersion carrier

3. Physical Properties

Parameter	Typical Value
Appearance	Fine white powder
Particle Size (D90)	< 40 µm
Bulk Density	0.50 – 0.70 g/cm ³
Melting Range	80–120 °C (composite blend)
Odor	Neutral
Moisture Content	< 0.5%

4. Application Guidelines

Processing Method	Recommended Dosage
Twin-screw compounding	10–20 phr
Melt kneading	8–15 phr

- Compatible with **PA6 base resins** (unfilled or 15–30% GF reinforced)
- Pre-drying of the blend is not required if stored under dry conditions

5. Key Benefits

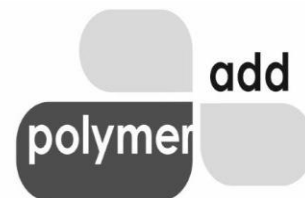
- Enables **partial substitution of PA6 resin or GF**
- Enhances **flow, mold fill, and surface finish**
- Thermally stable in standard PA6 melt processing temperatures (230–280 °C)
- Synergizes well with **MAH-based compatibilizers**

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6. Packaging

- 10 kg / 20 kg HDPE-lined paper bags or drums
- Custom packaging available

7. Storage & Shelf Life

- Store in cool, dry environment away from direct sunlight
- Shelf life: 12 months in original sealed packaging

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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