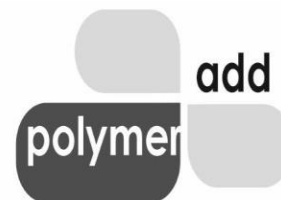


Polymer Add (Thailand) Co.,Ltd.

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

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



TECHNICAL DATA SHEET

UVOX-MATCH MICROBLEND U75

Micronized Additive Blend for UV/Antioxidant Masterbatches

Product Description

UVOX-Match MicroBlend U75 is a micronized powder blend formulated to deliver high-performance UV stabilization and thermal oxidation resistance in polyolefin masterbatches. It contains a synergistic mix of hindered amine light stabilizers (HALS), UV absorbers, and antioxidants pre-dispersed in micronized polyethylene wax for excellent compatibility and dispersion in PE/PP carrier systems.

Micronized Ingredients

Chemical Name	Function	CAS Number	% Composition
Micronized Polyethylene Wax (D100 < 20 µm)	Carrier, dispersion aid	9002-88-4	30.00%
AO 1010	Primary antioxidant	2082-79-3	20.00%
AO 168	Secondary antioxidant	31570-04-4	10.00%
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (HALS)	Hindered amine light stabilizer (HALS)	52829-07-9	15.00%
Benzotriazole-type UV Absorber (UV 234)	UV absorber	70321-86-7	10.00%
Hydrophobic Fumed Silica (R972 Type)	Flow aid, anti-caking	68909-20-6	5.00%
Synthetic Amorphous Silica	Processing flow aid	112926-00-8	10.00%
		TOTAL	100.00%

Typical Properties

Property	Value / Description
Appearance	Fine off-white to light beige powder
Odour	Neutral to mild aromatic
Particle Size (D100)	< 20 microns
Bulk Density	~0.38–0.46 g/cm ³
Melting Range	80–130°C (varies with wax/AO content)
Compatibility	PE, PP, EVA, olefinic systems
Moisture Content	< 0.5%

Applications

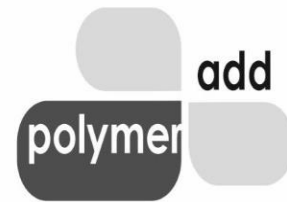
- UV Stabilized Masterbatches for Films, Fibers, and Injection Moulding
- Outdoor Applications (e.g., agricultural films, pipes, containers)
- Thermal oxidative stability in high-temperature processing

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriat, 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



Processing Guidance

- Add during dry blending prior to extrusion or compounding
- Use in twin-screw or single-screw extruder at normal processing temperatures
- Recommended dosage: 1.5–3.0% in masterbatch formulation

Packing Instructions

Packing Type	Description
Bag Type	Multilayer Kraft Bag with Inner PE Liner
Net Weight	20 Kg per bag
Palletization	40 Bags per Pallet, 800 Kg per pallet
Optional	PE Liner Vacuum Seal for moisture-sensitive use
Labeling	Product Name, Code, Batch No., Manufacturing Date
Shelf Life	24 months from date of manufacture (sealed pack)
Storage	Cool, dry storage away from sunlight and heat

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

Document Ref: UVOX-MATCH MICROBLEND U75 TDS_v1.0 | Issued: **July 2025** | Supersedes all previous versions