micro MB

UV Additives For Enhanced Polymer Performance

UV Product Overview

MicroMB offers a wide range of high-performance **UV additives** for polymers protection from Ultra-Violet sun radiation.
These solutions are designed to extend the lifespan of products, by preserving their **physical, mechanical and aesthetic properties.**
They are recommended for applications such as **agriculture, plastic packaging, constructions and automotives.**

UV Masterbatches For Polyethylene Agricultural And Industrial Packaging

Micro MB UV	Carrier Resin	UV Stabilizers	Antioxidants	Processing Stabilizer	Total Active Ingredients %	Shade	Agro-Chemical Resistance	Greenhouse Films	Thick Pigmented Films & Tapes	Thick Prodcuts	Food Approval
UV 103H	PE	HALS B		•	10		No		1-12%	1.5-5%	•
UV 111H	PE	HALS D	•	•	10		No		1-8%	0.5-10%	•
UV 322H	PE	HALS D + HALS B	•	•	20		No		1-5%	1-2%	•
UV 903N	PE	Ni-Q + UVA	•	•	17	G	Good	3-15%			
UV 001H	PE	HALS F	•	•	30		Low to Medium	3-8%			
UV 001HG	PE	HALS F	•	•	30	G	Low to Medium	3-8%			
UV XTH	PE	UV G + UVA	•	•	25	Y	High	1-10%			
UV 0017H	PE	NOR HALS + UVA	•	•	27.5	Y	Very High	1-8%			
UV-OA 22011	PE	NOR HALS + UVA(BF)	•	•	21.5	Y	Very High	1-10%			

HALS B, HALS D, HALS E, HALS F, HALS G: High Molecular Weight HALS Ni-Q: Ni-Quencher UVA: UV-Absorber
BF: Bee Friendly Y: Greenish/Yellowish

UV Masterbatches For Polyethylene/Polypropylene Applications

Micro MB UV	Carrier Resin	UV Stabilizers	Processing Stabilizer	Total Active Ingredients %	Dosage	Applications	Food Approval
UV-H 7208	PP	HALS C	•	20	0.5-8%	• Agrotextiles • Raffia • Fibers • Thick Sections	•
UV-HM 7260	PP	HALS A + HALS D	•	15	0.75-6.5%	• PP Woven Tapes • PP Thick Sections	•
UV-HM 7180	PP	HALS A + HALS D	•	11.5	1-9%	• PP Woven Tapes • PP Thick Sections With Filler	•
UV 226H	PP	HALS A + HALS C	•	10	1-10%	• Tapes • Fibers • Rotomolding • Injection Molding	•
UV 136H	PE	HALS C + HALS B	•	14	1-6%	• Blown Film	•
UV 223H	PP	HALS D	•	20	0.5-5%	• Tapes • Fibers • Thick Sections	•
UV 112H	PE	HALS B	•	7.5	1-10%	• Blown Film • Sheet Extrusion • Thermoforming	•
UV-HM 1104	PE	HALS C + HALS B	•	10	1-10%	• Blown Film • Blow Molding • Injection Molding • Sheet Compounds	•
UV-HA 2151	PE	HALS B + UVA	•	15	1-7%	• Blown Film • Blow Molding • Injection Molding	

HALS A, HALS B, HALS C, HALS D: High Molecular Weight HALS UVA: UV-Absorber

Key Benefits

Enhanced UV Resistance
Protects polymer materials from harmful UV radiation, avoiding premature degradation.

Extended Product Lifespan
Maintains material integrity over time, increasing durability.

Reduced Discoloration and Cracking
Prevents color fading, surface cracking, and brittleness.

Improved Outdoor Performance
Reliable protection in harsh outdoor and agricultural environments.

Maintained Mechanical Properties
Preserves strength, flexibility, and overall performance during long-term use.

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