



# 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%	<ul style="list-style-type: none"> <li>• Agrotextiles</li> <li>• Raffia</li> <li>• Fibers</li> <li>• Thick Sections</li> </ul>	•
UV-HM 7260	PP	HALS A + HALS D	•	15	0.75-6.5%	<ul style="list-style-type: none"> <li>• PP Woven Tapes</li> <li>• PP Thick Sections</li> </ul>	•
UV-HM 7180	PP	HALS A + HALS D	•	11.5	1-9%	<ul style="list-style-type: none"> <li>• PP Woven Tapes</li> <li>• PP Thick Sections With Filler</li> </ul>	•
UV 226H	PP	HALS A + HALS C	•	10	1-10%	<ul style="list-style-type: none"> <li>• Tapes</li> <li>• Fibers</li> <li>• Rotomolding</li> <li>• Injection Molding</li> </ul>	•
UV 136H	PE	HALS C + HALS B	•	14	1-6%	<ul style="list-style-type: none"> <li>• Blown Film</li> </ul>	•
UV 223H	PP	HALS D	•	20	0.5-5%	<ul style="list-style-type: none"> <li>• Tapes</li> <li>• Fibers</li> <li>• Thick Sections</li> </ul>	•
UV 112H	PE	HALS B	•	7.5	1-10%	<ul style="list-style-type: none"> <li>• Blown Film</li> <li>• Sheet Extrusion</li> <li>• Thermoforming</li> </ul>	•
UV-HM 1104	PE	HALS C + HALS B	•	10	1-10%	<ul style="list-style-type: none"> <li>• Blown Film</li> <li>• Blow Molding</li> <li>• Injection Molding</li> <li>• Sheet Compounds</li> </ul>	•
UV-HA 2151	PE	HALS B + UVA	•	15	1-7%	<ul style="list-style-type: none"> <li>• Blown Film</li> <li>• Blow Molding</li> <li>• Injection Molding</li> </ul>	•

**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.



## Improved Outdoor Performance

Reliable protection in harsh outdoor and agricultural environments.



## Extended Product Lifespan

Maintains material integrity over time, increasing durability.



## Maintained Mechanical Properties

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



## Reduced Discoloration and Cracking

Prevents color fading, surface cracking, and brittleness.



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