



M.A. PLASTIC ENGINEERING S.R.L.

YOUR PLASTIC PARTNER FOR COMPLETE POLYMER CONSULTATION

ADM PE V.P.I 3000

Technical data sheet

Key property ADM PE V.P.I. (volatile pesticide inhibitor) is a dispersion of additives in polyethylene capable of inhibiting the phenomenon of chemical degradation of UV stabilizers base on HALS by Sulfur and Chlorine.

Application ADM PE V.P.I. 3000 is a revolutionary UV co-stabilization system suggested for the production of polyolefinic films for agriculture (PE and EVA) used in environments with high treatments of pesticides (greenhouses). The chemical deactivating action of ADM PE V.P.I. 3000 allows the use of traditional HALS and has the same chemical resistance performances as the NOR HALS. Moreover, the masterbatch does not interfere with the functionality of migrant additives as antifog and / or antimist . ADM PE V.P.I. 3000 gives the films a slight opalescence and it's recommended to extrude it a max temperature of 240°C .

Use ADM PE V.P.I. 3000 masterbatch should ONLY be added to the inner layer of greenhouse film . Moreover , the thickness of inner layer must correspond to approximately 25% / 30% of total structure of film (important figure to keep in mind for 5 / 7 layers COEX films)

Dosage Film LDPE/EVA 200 micron thickness - for 3 years in geographical areas of 140/160 Kly year

UV STABILIZATION	PESTICIDE RESISTANCE
Chimassorb 944/ Cyasorb 3346 1,20% + Chimassorb 81 0,60%	300 ppm S – 20 ppm Cl
+ ADM PE V.P.I. 3000 10,0% (inner layer of greenhouse)	2000 ppm S – 100 ppm Cl
Cyasorb 3529/Chimassorb 119 1,20% + Cyasorb UV 1164 0,12%	1500 ppm S - 50 ppm Cl
+ ADM PE V.P.I. 3000 10,0% (inner layer of greenhouse)	3000 ppm S – 150 ppm Cl
Cyasorb 3529/Chimassorb 119 1,20% + Cyasorb UV 1164 0,12%	1500 ppm S – 50 ppm Cl
+ ADM PE V.P.I. 3000 12,5% (inner layer of greenhouse)	5000 ppm S – 200 ppm Cl

Warehousing Storage the product in its original packaging in a cool and dry environment. In any case, it is recommended to use the material within 6 months of arrival.

Pakaging 25 Kg bag on 1250 Kg pallet

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