DEEP
MASTERBATCHES

Ultraviolet Master Batch -Light Fastness –

It is an unfortunate fact of life that sunlight damages many materials.
The purpose of light fastness is to predict the material resistance to fading, yellowing, darkening, colour change, loss of gloss and along with it also help to asses' physical degradation like "cracking", "chalking", "crazing" and "shrinkage".

"Light Fastness means Resistance to change on exposure to light"

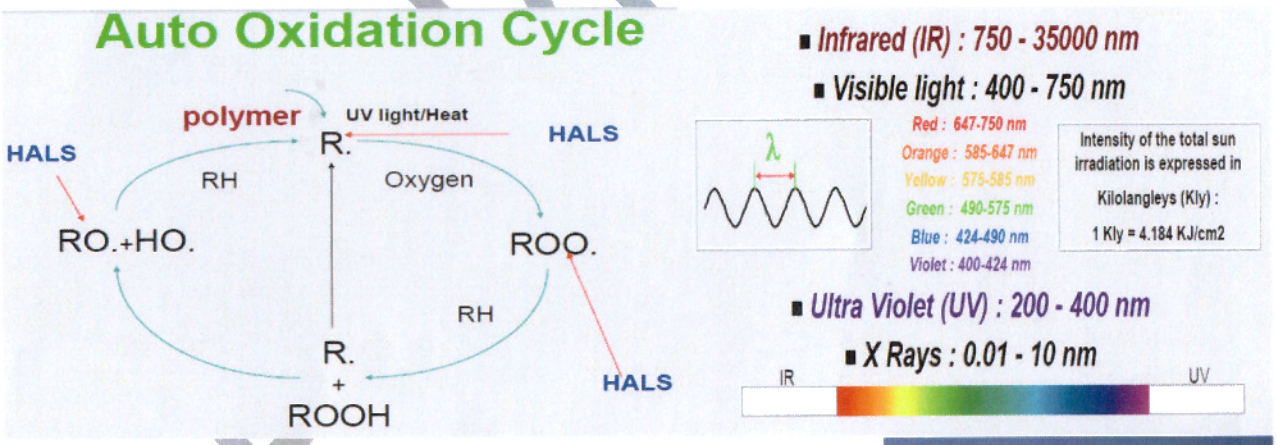
It depends on the chemical nature of the pigment, its concentration, and the resin in which it is used.

Ultaviolet stabilizers used for wide range of applications &needs to select best possible performance for each application.

Ultraviolet Light Absorbers (UVA): Filter harmful UV light and help prevent color change

UV Inhibitors Hindered-Amine Light Stabilizers (HALS)Trap free radicals once they are formed and are effective in retai*Combination of these two chemistries is highly synergistic.*

Blends of above available in Market ning surface properties such as gloss and prevent cracking.



Key Characteristics

Based on Hindered Amines HALS Chemistry – Light Stabilizers

High Gas Fade Resistance

Anti Sulphur – Pesticide Resistance grade

Low Interaction with Pigments

Disclaimer:
All information is given in good faith. Above all data obtained under standard conditions with our testing facilities, may vary under different conditions. It is recommended to test the above properties to finalize the use of the product for specific and particular applications.

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Product offer

Code No.	Active Content	Polymer	Details	Application	Dosage
Deep Additive D10 - 770	10 %	PE / PP	High light-stabilizing performance, Broad compatibility easily dispersed Low molecular weight hindered amine	For all types of Films, Pipes, Raffia & Molding Articles.	1-5 %
Deep Additive D10 - 770	20 %	PE / PP			1-3 %
Deep Additive D10- 783	10 %	PE / PP	Synergistic Mixture of Oligomeric Hindered Amine Stabilizers	Comply Food contactrequirement in all types of application	1-5 %
Deep Additive D10 - 783	20 %	PE / PP			1-3 %
Deep Additive D10 – 494	20 %	PE	Synergistic, pesticide resistant light stabilizer blend for long term agriculture films Food Contact	Shade net	2-8 %
Deep Additive D10-111	Proprietary	PE	Synergistic blend of high molecular weight HALS, intermediate chemical resistanceImproves the weathering of coatings by trapping free radicals. 622+119	PP fibers and agricultural mulch film	2-8 %
Deep Additive D10-944	Proprietary	PE	High molecular weightHALs with less volatility for wide range of application. Excellent light stability to thin articles, particularly fibers and films. In thick cross sections it is specifically suitable for polyethylene articles..	Fibers & Films. Highly effective as a long-term thermal stabilizer in thin and thick articles and shows good extraction resistance	2-8 %

Application

Greenhouse Films
Shade Net, Mulch Film
Tunnel Rolls
Water Storage tanks
Molding Articles
Pipes

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