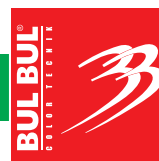


UV STABILISERS for PLASTICS

NASSOLKEM NasnoStab™ UV Stabiliser & Ultraviolet Absorber MasterBatches



True Universal Color-n-Additive MasterBatches



UVSTABILISERS for PLASTICS

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PRODUCTS	NasnoStab™ PP 55 MB	NasnoStab™ AB 45 MB
	NasnoStab™ PT 303 MB	NasnoStab™ PC 30 MB
	NasnoStab™ ST 03 MB	NasnoStab™ PV 35 MB

Sunlight is the ultimate source of energy required for life on earth. However, the ultraviolet rays contained in sunlight causes color degradation & deterioration of the quality of plastics.

NasnoStab™ Ultraviolet Absorber (UVA) and UV STABILISER MASTERBATCHES (UV) are Safest & Best Defense against Light degradation, which results in maintaining the appearance of your products for longer time even under scorching sun.

These MASTERBATCHES absorb the detrimental ultraviolet rays & prevent color degradation & deterioration of plastics.

NasnoStab™ MASTERBATCHES are based on HALS chemistry & do not absorb ultraviolet rays but act as scavengers of detrimental free radicals generated by the energy in ultraviolet rays.

Synergism effect i.e. combination of HALS and UVA **NASNOSTAB™** results in better light stability as compared to use of either or alone.

Careful selection of right chemistry blends is the key for High Performance UVstabiliser MasterBatches.

Broad selection of this chemistry includes:

- Hindered Amines (HALS)
- Benzophenones
- Triazines
- Hindered Benzoates
- Benzotriazoles
- Benzoxazones

Salient Features :

- Extraordinary UV stabilization efficiency - long term protection.
- Excellent color stability.
- Very low color contribution.
- Non-blooming & Non-fogging.
- Superior UV Stabilization in Agricultural film applications.
- No adverse effect on printability.
- Excellent compatibility with all polymers.





- h) No bad odour while processing with Carbon Black MasterBatches.
- i) No change in sealing properties when use in films.

Protection from UV radiation in plastics plays an important role; especially in outdoor applications.

UV radiations stimulate molecules resulting in breaking of chemical chain bonds, which degrades polymer. In order to stop this UV radiation **NasnoStab™** MasterBatches are formulated to achieve highest long term UV stability.

NasnoStab™ UV stabilizer MasterBatches are very stable & not broken down by concentrated acids & alkalis. Even reducing & oxidizing agents used in process have no effect on the stability of these products. Many food cosmetics items suffer undesirable changes in color, odour & loss of their effectiveness through action of UV light. **NasnoStab™** MasterBatches effectively maintains the original form of plastics for a very long period. It also protects the food packaging from light & also helps in protecting its contents.

Product Description:

- a) **NasnoStab™ PP 55** : Based on HALS chemistry, offers Long Term stability irrespective of its end uses i.e. Injection molding, Blow molding, Film applications, Fibre applications, **NasnoStab™ PP 55** is Hi Performance UV stabilizer MasterBatch best suitable for POLYPROPYLENE, LLDPE, HDPE, PA6, PA66, PVC (Plasticized), PET, TPR, EVA, ABS etc.
- b) **NasnoStab™ AB 45** : Suitable for use in GPPS, HIPS, PET, PA6, PA66 and POLYPROPYLENE.
- c) **NasnoStab™ PT 303 MB** : Completely transparent UV MasterBatch in nature. Very High Thermostable especially suitable in high processing temperature contributes excellent protection against yellowing of PET.
- d) **NasnoStab™ PC 30 MB**: Excellent transparency in POLYCARBONATE without Interfering clarity. It is an Excellent protector against yellowing of highly transparent Polycarbonates.
- e) **NasnoStab™ ST 03 MB**: A unique UV stabilizer for use in GPPS, MABS, SAN, ACRYLIC & PP in transparent as well as opaque applications. Even at higher concentration the base polymer transparency is unaffected & prevent yellowing for a very longer time.
- f) **NasnoStab™ 35 MB**: Specially suitable for Rigid PVC application in window Profiles & other outdoor applications. Also suitable for TPU, TPV, TPE, ABS, PA6 and PA66.

Dosage : 0.2% to 0.5%

FDA Status : (✓)

Shelf Life : Long Life

Note: This information is solely for your consideration, investigation & verification. It is not to be taken as a warranty or representation.



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BULBUL MASTERBATCHES (P) LTD.

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