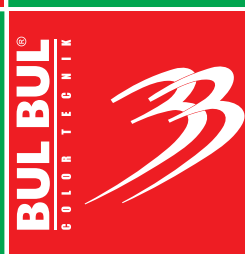


When it comes to colors for plastics,
we've got the edge.



True Universal Color-n-Additive MasterBatches
NaNo Pigment MasterBatches





NARENDRA K. SHAH
President

Company Profile

Delivering excellence in the Indian Plastic industry since 60 years:

Established in 1951, Nassolkem and BULBUL® are names which are synonymous with Colors in the Indian Plastic Industry. Founded by Mr. Kantilal N. Shah, Nassolkem is recognized for professionalism in its vision, practices & relationships & competence in manufacturing of color preparations & formulations. Nassolkem has wide experience in color technology, resulting from its own track record as well by leveraging the experience of its group companies engaged in the domain of pigments & preparations.

Advanced Manufacturing Infrastructure:

Nassolkem's manufacturing facilities are located at strategic locations in Maharashtra & Gujrat (India) & are geared to offer True Universal Color-n-Additive MasterBatches, NaNo Pigment MasterBatches, Functional MasterBatches, Liquid Colorants, Color Paste, Pigments, Solvent Dyes & Additives. The manufacturing facilities feature state-of-the-art (German) Ultra torque twin screw extruders & Palletisers & latest Eco Friendly Technology to produce Pigments & Solvent Dyes.

The company's team of top notch color specialists & technologists provides complete color solutions combined with active technical support.





Quality Solutions for Customers:

We have all the resources to meet True Universal Color MasterBatches, NaNo Pigment MasterBatches, Functional MasterBatches, entire range of Additive MasterBatches, Specific Polymer base Color MasterBatches & liquid coloring requirements of plastic industry clients ranging from large multinationals to small manufacturers. We offer the added advantages of innovative products, zero defect quality, timely deliveries, competitive prices & technical support right to the shop floor level to its customer level.

We are equipped with state-of-the-art Laboratory with majority Testing Equipments including facilities for testing RoHs, UV Testing & Weather n Exterior Durability testing with Computerized Accurate Color Matching system to provide Online Support to our customers.



PRODUCT INFORMATION

True Universal Color-n-Additive MasterBatches

The New Era in Plastic Coloration

Ideal for wide ranging applications.

Nassolkem True Universal Color-n-Additive MasterBatches suits all applications & are compatible with almost all polymers from POLYOLEFINS to PVC including the entire range of Engineering Plastics, Resins and Rubbers.

Nassolkem True Universal Color-n-Additive MasterBatches are completely Non-Dusting, Free Flowing, Highly Concentrated Pigment Preparations in granule form ideally suited for Polymer Processors, MasterBatch Producers, Fiber Extruders, Film Extruders, Injection, Blow & Roto Molders wanting to use One MasterBatch for multiple applications in a variety of Polymers.

'NASSOLKEM' True Universal MasterBatches include:

- a) Organic Pigment MasterBatches ranging from 40 to 70% Pigment loading.
- b) Inorganic Pigment MasterBatches from 75 to 90% Pigment loading.
- c) Titanium Dioxide White MasterBatches upto 85% Pigment loading for all applications including Fiber & Thin Films.
- d) Carbon Black MasterBatches upto 65% pigment loading.
- e) Recently developed innovative NaNo Pigment MasterBatches available in Micro Pallets form which possesses Pigment Particle size between 0.1 to 0.2 Micron. Completely Non Dusting, ideally suited for MasterBatch Producers, very fine Denier Fiber /Yarn & Thin Film producers. Please refer our separate Brochure on NaNo MasterBatch for more details
- f) Innovative Pearl & Metallic MasterBatches
- g) Fluorescent MasterBatches with temperature stability upto 260°C promising zero migration & zero plateout.
- h) Glow in Dark MasterBatches available in Green, Blue, Red & Yellow with highest afterglow.
- i) Specially developed High Performance Fully Transparent Solvent Dye based MasterBatches suitable for coloring Polycarbonates, SAN, Acrylic, PMMA, GPPS, MABS, ABS, HIPS, PBT etc.
- j) Additive MasterBatches upto 80% additive loading includes Optical Brightners, UV Stabilisers, Antiblocks, Antislip, Processing Aid best suitable for MasterBatches formulators & polymer processors.
- k) Highly functional optimum result oriented Nucleated MasterBatch resulting from our inhouse capabilities of producing FDA approved Nucleating Agent.





True Universal MasterBatches are based on proprietary functional carrier (Patented technology) offering true universal compatibility, superior dispersion & particle distribution with higher concentrations.

'**NASSOLKEM**' MANUFACTURES MAJORITY ORGANIC PIGMENTS, ADDITIVES & SOLVENT DYES IN-HOUSE which results in quality control right from the induction stage which guarantees batch to batch consistency & superior dispersion.



'**NASSOLKEM**' True Universal MasterBatches find use in:

- Fiber Applications: Polypropylene, PET, PA6, PA66, HDPE Fibers.
- Film Applications: Includes Thin film & multilayer films.
- PP Non Woven & BOPP films.
- Injection molding of all types.
- Blow Molding of all types.
- Rotational (ROTO) molding (Also available in micro Pellets).
- Extrusions of all kind.
- Cable Extrusions with special Electrical grade True Color MasterBatches.



Our '**NASSOLKEM**' True Universal MasterBatches are suitable for coloring almost every plastic such as



HDPE	PVC (Soft & Rigid)	ABS and MABS	PA6
LDPE	PET (Polyester)	SAN	PA66
LLDPE	Polyurethanes (PUR)	Acrylic	TPE
VLDPE	PBT	GPPS	TPR
HM	PolyAcetal (POM)	HIPS	TPU
Polypropylene (PP)	Silicone	Polycarbonate	TPV
BOPP	SBR	PMMA	EVA



'**NASSOLKEM**' True Universal MasterBatches & NaNo Pigment MasterBatches also includes RoHs-2002/95/EC, EN-71-3 1994 & FDA approved heavy metal free Organic & Inorganic MasterBatches.



We are partners with nature replicating almost its entire range of very interesting Spectrum and Shades.

We help you to tailor your needs with ideal solutions & broaden your designing options.

PRODUCT DETAILS

Color MasterBatches

OPAQUE MASTERBATCHES

MyPone™, NoyoPone™ & StyPone™ range of MasterBatches comprising of ICE/FLOREL, PASTLE & NORMAL Custom Colors like Red, Green, Blue, Yellow, Orange etc. available in more than 1400 shades suitable for coloring almost every Plastic, Resin and Rubber.



ROHS & EN-71 APPROVED MASTERBATCHES

MyTemb™, NoyoTemb™ & StyTemb™ range of Heavy Metal Free MasterBatches to meet the most stringent international regulatory standards. These RoHs-2002/95/EC, En-71-3:1994 & FDA approved heavy metal free MasterBatches are available in more than 100 shades. Possesses excellent Light & Weather fastness properties with heat stability upto 450°C. Thus suitable for coloring almost every Engineering Polymers & Engineering Resins.



TRANSPARENT MASTERBATCHES

StyTrol™ & ForolSty™ range of completely Transparent MasterBatches in more than 300 shades suitable for coloring entire range of plastics.



SHIMMER EFFECT MASTERBATCHES

MySil™, NoyoSil™ & StySil™ range of newly developed Shimmering effect MasterBatches which produces excellent styling effects. Specially developed for cosmetics & toy applications & available in wide range of colors.



FLUORESCENT MASTERBATCHES

MysoFor™, StysoFor™, NysoFor™ & ForoFab™ range of high performance Fluorescent MasterBatches are suitable for coloring entire range of polymers. Exceptionally high fluorescence, no migration - zero plateout & heat stable upto 260°C in nature. RoHs & En-71 part 3 approved for Toy application



PEARL & METALLIC MASTERBATCHES

MyGlaze™, NoyoGlaze™, StyGlaze™, MysoSyn™, NoyoSyn™ & StysoSyn™ range of Pearl & Metallic shade MasterBatches available in more than 300 shades for entire range of plastics.

RoHs & En-71 part 3 approved for Toy & Food Packaging applications.



GLITTER MASTERBATCHES

MyFlake™, NoyoFlake™, MicroSpark™ & FluroSpark™ range of Glitter effect MasterBatches available in more than 100 shades suitable for entire range of plastics.



GLOW IN DARK MASTERBATCHES

GloMore™ range of Glow in Dark MasterBatches available in Green, Red, Blue, Orange & Lemon Yellow colors. IT enhances aesthetic appeal of the final product & leads to excellent Glow in Dark properties. RoHs and En-71 part 3 approved for Toy applications. Uses also includes security applications in form of Vinyl Film, Tapes and Signages made from Plastics.

HEAT STABLE MASTERBATCHES

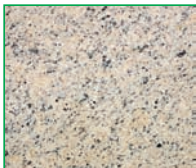
MyStab™ & **StyStab™** range of Heat Stable MasterBatches possess Excellent Light & Weather fastness properties & Heat stability upto 450°C, excellent UV & Thermal stability. Available in more than 100 shades suitable for coloring almost every Engineering Polymers & Engineering Resins.



GRANITE & MARBLE EFFECT MASTERBATCHES

GranaPlas™ & **GranaMite** range of Granite effect MasterBatches available in more than 40 shades.

MarboPon™ range of Marble effect MasterBatches for use in wide range of plastics.



WHITE & BLACK MASTERBATCHES

Finest Quality of **WHITES & BLACKS** available in about 20 different tones with wide changes in TiO₂ & Carbon Black concentration as per individual requirements. Very Cost effective because of huge production. Special Grades available for Fiber & Thin Film Applications.



SPECIAL NANO MASTERBATCHES FOR FIBER EXTRUSION

NanoYan™ range of MasterBatches are specially created for use in very fine denier Fiber applications in PET, PA & PA Yarn Extrusion applications. Wide range of shades & physical form as "Micro Pallets" are added advantage with Particle size of Pigments is between 0.1 to 0.2 Microns.



MonoYan™ range of MasterBatches are for use in PP Non Woven applications.

SPECIAL NANO MASTERBATCHES FOR FILM EXTRUSION

NanoVin™ range of specially formulated opaque MasterBatches are suitable for film application in more than 100 shades. Guaranteed excellent adhesion of printing inks & suitable for Thin micron films as well as Multilayer films. These products are targeted for use in HM, LLDPE, LDPE, PP, BOPP and PVC films.



SPECIAL MICRO PELLETT MASTERBATCHES FOR LLDPE ROTO MOLDING APPLICATION

ROTON™ range of MasterBatches are specially formulated with base material LLDPE are best option for Roto Molding Applications. These Masterbatches are available in Micro Pallet form. Be it exterior or interior application **Roton™** MasterBatches are UV stable & available in wide range of Color shade. 100% Heavy Metal Free n meets RoHs & FDA compliance.



SPECIAL MICRO PELLETT MASTERBATCHES FOR PET

MetoPon™ range of PET MasterBatches are available in Micro Pallet form. These MasterBatches are available in wide range of colors & possesses high gloss with very good dispersion thus best suitable for PET Stretch Blow Molding & Extrusion applications. **MetoPon™** products are Heavy Metal Free & are suitable for products which require RoHs & FDA compliances.



SPECIAL ELECTRICAL GRADE MASTERBATCHES FOR WIRES & CABLES

NIYOVIN™ & **MYVIN™** range of MasterBatches are 100% RoHs complied Lead Free MasterBatches for PVC Wires & Cables. **MYVIN™** range of MasterBatches can also be used in making TPE Wires & Cables. The Pigment used in manufacturing of above MasterBatches are 100% Electrical Grade Pigment & Salt Free in nature. These MasterBatches are highly concentrated in nature. Hence typical ratio we recommend is only about 2%. Only Black may be required in little higher dosage. Special exterior grades of durable MasterBatches are also readily available in this range.

PRODUCT DETAILS

Additive MasterBatches

RANDOM NUCLEATED MASTERBATCHES FOR PP

KLARITONE™ range of Random Clarifier MasterBatches are high performance clarifying agents for use in Polypropylene to achieve Excellent Clarity with reduce cycle time & improvement in Dimensional stability. These Products can convert Homograde Polypropylene into Random Grade which will become Transparent like high clarity plastics such as Polystyrene & Polycarbonate. Suitable for Injection Molding, thin wall Injection Molding, Extrusion, Blow Molding, Sheet Extrusion, Thermoforming & also for PP Blown & Cast Films. Also Available Sorbitol free Nucleating agent offering 100% FDA approval.



OPTICAL BRIGHTNERS

NasGlo™ & **StyGlo™** range of high performance Optical Brightener MasterBatch eliminates inherent yellowish dull appearance completely in most of the polymers & resins i.e. in PVC, PE, PP, Styrenics, PC and ABS & produces excellent gloss/shine with highest clarity in plastics.



PROCESSING AIDS

NasFast™ range of Processing Aids can be used to achieve fast & rapid production. These Products are available for use in entire range of plastics including engineering plastics & can be added about 0.3% only to enhance production output upto 15 to 30%. It also helps to achieve quick color change & improves the Machine life.



UV STABILISER MASTERBATCHES



NasnoStab™ range of UV Stabilisers are suitable for use in entire range of plastics. Ultraviolet rays contained in sunlight causes color degradation & deterioration of the quality of plastics. UV MasterBatches absorb these detrimental ultraviolet rays & prevent color degradation & deterioration of plastics resulting in long term outdoor protection & excellent color stability.

ANTI-BLOCK MASTERBATCHES



NasnoSil™ & **PPnSil™** range of Powerful Hi-Performance Anti-Block n Anti-Slip MasterBatches are suitable for use in LDPE, LLDPE, PVC, EVA, PP, BOPP & PP Blown Films. Produces Excellent Transparency with practically no haze. It improves surface treatment & coating on the films. There is NO adverse effect on adhesion properties of Ink & Printing on the films & NO change in sealing properties. It's FDA approved.

FRAGRANCE MASTERBATCHES



DeoDur™ range of Fragrance-Perfume MasterBatches are meant to achieve various Fragrance-Perfume in plastics suitable mainly for HDPE, LDPE, PP, PVC, EVA etc. (Not recommended for Styrenics).

ODOUR ABSORBING MASTERBATCHES

DeoKler™ range of Powerful Odour Absorbing MasterBatches for entire range of polymers. In Medical Appliances, Automotive interior parts, Household items, Food containers & boxes, Packaging, everywhere generation of undesired odour is most common problem. **DeoKler™** MasterBatches ensures complete elimination of unbearable & unpleasant odour in Virgin as well as Recycled polymer Material.



ANTI-MICROBIAL, ANTI-FUNGAL & ANTI-ALGAL MASTERBATCHES

GermoStab™ MasterBatches inhibit the growth of micro-organisms such as fungi, bacteria & thereby prevent discoloration, unpleasant odour & surface degradation of plastic parts. It's typical applications are : Medical Appliances, Automotive interior parts, Household furniture, Food containers & boxes, Sanitary products, Packaging & coated fabrics. Infact, all applications which require high standard of Hygiene.



ANTI-STATIC MASTERBATCHES

SteTon™ range of long lasting permanent Anti-Static MasterBatches are meant for entire range of plastics. Chemical structure of plastic builds up electrical charges which attracts dust due to static charge. **SteTon™** MasterBatches offer highest Surface Resistivity with permanent anti-static properties even after washing. It is very critical for sensitive Electronic parts packaging & very useful in Food & Cosmetic packaging.



PURGING / CLEANING MASTERBATCHES

KlariFos™ cleaning & purging compound MasterBatch removes plastic-n-color residue from Mold-Dies & Screw Barrels including residue caused by degradation. It provides time saving production process, molding with flawless surface structure & fast change of colors with minimum material wastage. Ideal for Injection, Blow mold machines & Extruders. Also useful in hot runner molds.

ANTI-FOG MASTERBATCHES



NasFog™ range of FDA approved Anti-Fog MasterBatches are best suitable for Food packaging & Agricultural films. Fog formation (condensation of water forms as small droplets on the surface of transparent films) in food wrapping, deteriorates the quality of food. Similarly in Agricultural film fogging reduces light transmission which can lead to damage of plants. **NasFog™** MasterBatch prevents water droplet cloudiness & meet adequate heat stability, low volatility in order to prevent vapour formation during film production without yellowing effect with no negative influence on the transparency & odour of the films. 100% RoHs n FDA approved.

FLAME RETARDANT MASTERBATCHES



SmoKem™ MasterBatches are very efficient Halogenated & Non-Halogenated masterbatches can be used to achieve V-0, V-1 type flame retardancy standards. It helps to protect people & property by delaying the spread of fire and toxics.

In some cases, preventing ignition entirely.

ANTI-SCRATCH MASTERBATCHES



Anti-Scratch™ MasterBatches are suitable for entire range of plastics with high resistance to scratches. IT develops barrier on surface of Plastics by which Plastic becomes High Resistance to Scratches.

True Universal Color MasterBatches

MyPone™ StyPone™	NeyoPone™	True Universal MasterBatches comprising of Ice, Pastel n Normal Custom Colors such as Red, Blue, Green, etc.available in more then 1400 shades suitable for coloring almost every plastics, Resin n Rubber.
NeyoPone™ MyPone™	StyPone™ NanoPon™	Range of White n Black MasterBatches available in wide range of Pigment concentrations.
MyTemb™ StyTemb™	NeyoTemb™	RoHs and En-71 approved Heavy Metal Free MasterBatches in more than 100 shades.
MyStab™	StyStab™	High Performance Color MasterBatches with outstanding Heat, Light & Weather fastness properties available in more than 100 shades suitable for coloring almost every Engineering Polymers & Engineering Resin.
ROTON™		With Base material as LLDPE & Micro Pellet form of these MasterBatches are formulated for Exterior as well indoor ROTO Molding applications. Available in wide range of shades with RoHS n FDA compliance too.
NanoYan™		Newly developed innovative Nano MasterBatches containing Pigment Particle size between 0.1 to 0.2 microns. Best options for Fiber applications.
MonoYan™		Nano MasterBatches for use in PP Non Woven applications.
NanoVin™		Opaque n transparent Fine particle Pigment MasterBatches specially formulated for Thin Film n Multilayer film applications. Guaranteed for excellent adhesion of Printing inks & perfect openability.
NiYoViN™	MYViN™	Lead Free, RoHs complied Heavy Metal Free MasterBatches for PVC Wires n Cables available in Base Resin PVC as well as Universal Base for TPE & PVC cable applications. Special Grade of Salt Free Electrical Grade Pigments are used in these formulations.
MetoPon™		Formulated for use in PET Stretch Blow Molding & Extrusion, available in Micro Pellet form with very wide range in Opaque as well as Transparent colors.
StyTrol™	ForolSty™	Completely Transparent MasterBatches available in more than 300 shades suitable for GPPS, HIPS, SAN, ABS, POLYACETAL, MABS, ACRYLIC, PMMA etc.
MysoFor™ NysoFor™	StysoFor™ ForoFab™	High Performance Fluorescent MasterBatches . Exceptionally high Fluorescence, No Migration & No Plateout. Heat Stable upto 260°C. RoHs & En-71 approved. Suitable for Toy Applications.
MyGlaze™ StyGlaze™ NeyoSyn™	NeyoGlaze™ MysoSyn™ StysoSyn™	Pearl & Metallic shades MasterBatches available in more than 400 shades for entire range of Plastics.
MySil™ StySil™	NeyoSil™	Newly developed very high lusturous Shimmering Metallic effect Colors. Best option for cosmetics, toys & gift items. Available in more then 40 shades readily.
MyFlake™ MicroSpark™	NeyoFlake™ FluroSpark™	Glitter effect MasterBatches available in more than 100 shades suitable for entire range of plastics.

GloMore™		Glow in Dark MasterBatches available in Green, Red, Blue, Orange & Lemon Yellow colors. Highest after glow.
GranaPlas™	GranaMite	Granite effect shades available in more than 40 shades.
MarboPon™		Marble effect MasterBatches for use in Plastics.
Microlyn™		Transparent & Opaque MasterBatches for use in Acrylic only.
Nasosan™		Transparent & Opaque MasterBatches for use in SAN only.
Panamor P™		Transparent & Opaque MasterBatches for use in Polycarbonate only.

NOTE : NeyoPone, NanoPon, NeyoTemb, NysoFor, NeyoGlaze, NeyoSyn, NeyoFlake, NeyoSil, NanoYan, NanoVin, ROTON range of Products are meant for use in PE, PP, GPPS, HIPS, ABS, ACRYLIC, SAN, POLYACETAL & PET. NOT RECOMMENDED for use in PVC, PA6, PA66 & TPE

True Universal Additive Masterbatches

KLARiTONE™		NUCLEATING MasterBatches which imparts highest Transparency & Clarity in PolyPropylene
NasnoSil™	PPnSil™	Powerful HI-Performance ANTI-BLOCK n ANTI-SLIP MasterBatches for use in LDPE, LLDPE, PVC, EVA, PP, BOPP & PP Blown Films.
NasnoStab™		Highly effective UV Stabilisers for entire range of Plastics.
NasGlo™	StyGlo™	Highly effective High Performance OPTICAL BRIGHTNER shining agents for entire range plastics.
GermoStab™		ANTI-FUNGAL, ANTI-ALGAL and ANTI-MICROBIAL MasterBatches for use in entire range of Polymers including PE, PP, PVC, TPV, TPE, TPR, Silicone, PC, SAN, ABS, HIPS etc.
NasFast™		Innovative Processing Aid MasterBatches for entire range of Plastics.
KlariFos™		Purging /Cleaning MasterBatches suitable upto 320°C for entire range of Plastics.
DeoDur™		Fragrance MasterBatches for Plastics.
DeoKler™		Powerful ODOUR ABSORBING MasterBatches for entire range of Virgin & Recycled Polymers.
SteTon™		100% PERMANENT ANTI-STATIC MasterBatches for entire range of Plastics.
NasFog™		Powerful FDA approved ANTI-FOG MasterBatches for Food Packaging & Agriculture.
Smokem™		Highly effective FLAME RETARDANT MasterBatches for entire range of Plastics.
Anti-Scratch		ANTI-SCRATCH MasterBatches for Plastics.





NASSOLKEM (P) LTD.
BULBUL MASTERBATCHES (P) LTD.

Manufacturing Sites in India:
Athal, Piparia (Silvassa), Pune, Sachin & Pandesara.

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Web : www.nassolkem.in
www.bulbul.in

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