



CONCENTRATM
THE WORLD OF COLOURS

Color & Additive
MASTERBATCHES

"A GOVT. RECOGNISED EXPORT HOUSE"



PERFECT COLOURANTS & PLASTICS PVT. LTD.

An ISO 9001:2015 Certified Company



About Us

Perfect Colourants and Plastics Pvt. Ltd. (PCPPL) is one of the pioneers and leading manufacturer & Exporter of colour, black, white and additive masterbatches and compounds. The company commenced operation in **1987** and has been marketing its products under the brand name **CONCENTRA™**. Our manufacturing units are located in Western India (Vadodara & Daman).

PCPPL is catering to the world including African, Middle East & Asian markets since 1996. The company is proud to be elected as **A Govt. Recognized Export House** by the Government of India.

All plants of the company are certified for its Quality Management System under ISO 9001 : 2015 standard. The company's value proposition lies in the **dedicated testing laboratory and Research and Development department & full commitment for service to its customers**. This enables PCPPL to have stringent quality check, develop tailor made customer centric colours and constantly strive to innovate products which adds value to the customer's application.

PCPPL products can meet demands /criteria of food packaging norms as per IS 9833, ROHS, REACH, EN71 or any other desired standard.

PCPPL range covers a wide spectrum of quality products for various thermoplastics viz. **PE, PP, PC, ABS, HIPS, GPPS, NYLON, PET, PBT, POM** etc.

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WHITE & COLOUR MASTERBATCHES & COMPOUNDS

INTRODUCTION

White Masterbatches are made with unique recipe and additives, which give excellent dispersion, gloss, supreme whiteness and optimum opacity level. The content of TiO₂ varies from 30% to 75% to give optimum value for the product. Colour Masterbatches are available in wide range of colours. The Masterbatches & compounds are manufactured for various types of polymers on latest equipments and thoroughly tested.

Applications & Recommended Dosage

The dosage level depends on applications viz injection moulded products, blow moulded product, film extrusion, yarn, filaments etc. and hence varies from 1% to 8%. **Sectors** : Automobile, White Goods, Caps n Closures, Sheet Extrusion, Pipe Extrusion, Agricultural films, Mulch Films, Non-woven, Woven sacks, and other films and moulding applications.

Benefits

- Good value for product
- Very Good Light fastness
- Excellent dispersion, gloss and colour depth
- High heat stability.

Features

- Shade matching with Pantone, RAL or any other standard
- More than 2500 shades available in regular product range
- Economical and consistent quality.
- 100% Quality consistent products Guaranteed

BLACK MASTERBATCHES AND COMPOUNDS

Introduction

Made with fine quality of Carbon black Manufactured with LLDEP / LDPE as well as PS, PC, POM, Nylon based carriers

Applications

Can be used in a wide variety of polymer system. Typical applications include films, compounding, pipes, injection / blow moulding, agriculture films, drip irrigation, mulch films and roto moulding (tanks/road barriers) etc.

Benefits

- Excellent dispersion
- High Jetness value
- Excellent performance alone or in combination with other additives

Features

- CBC% : 40%, 45%, 50% and customized
- Low moisture content
- Available in pipe and film grades
- Recommended dosage : 2% to 6%

ANTIBLOCK MASTERBATCH GRADE- AD 1232

Introduction

Incorporates anti blocking properties in films. Based on fine & clean natural SILICA. Available in free flowing pellets. Distributes and disperses easily in polymer system

Applications

- Films
- Rafia Tape
- Co-Extrusion
- Injection
- Blow Molding



Benefits

- Reduce blocking trend of two film surface
- Easy & excellent dispersion
- Easy mixing & processing improves **open ability**, print adhesion, weld ability of polyolefin films

Features

- Available in PE or PP base
- Thermally stable
- Imparts matt finish for writable film
- Recommended dosage: 0.5 % to 2 %

NUCLEATING MASTERBATCH GRADE – AD 1243

Introduction

Pure & high performance organic-sorbitol based additive masterbatch. Reduces haze and enhances clarity of end product

Applications

- In Injection molded and extruded products of PP
- Transparent container for food, fruits & house hold items
- Odor sensitive application
- Medical devices, bottles, instrument boxes etc.

Benefits

- Improves clarity & transparency of PP Films
- Surface smoothness of PP films
- Improves impact, gloss, stiffness
- Thermally stable during processing and generates no odor

Features

- PP Based
- Recommended dosage : 2%
- Excellent dispersion

PLASTIC PROCESSING AID PPA MB, GRADE : AD 1215

Introduction

Based on unique Fluoro polymer additive. Highly effective performance MB. Reduces melt fractures & die lip deposition.

Applications

- Cast film, blown film, extruded pipe
- Blow moulded products
- Injection moulded products
- Drip laterals.
- Wire and cables

Benefits

- Increased production
- Reduces processing temperature
- Excellent surface characteristics
- Reduces melt fracture
- Clean running / Less breakdown
- Lowers power consumption
- Fast transition
- Improves gloss

Features

- Down gauging possible
- Recommended dosage : 0.3% to 1%

FAST SLIP MASTERBATCH SLIM MB, GRADE – AD 1211

Introduction

Manufactured using additives from Fatty acid amide group Manufactured for fast migration characteristic Additives based on extremely pure chemicals

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Applications

All kind of extrusion films for high speed operations for LDPE, HDPE, PP Rafia, CPP, BOPP etc.

Benefits

- Immediate lowering of the co-efficient of friction
- Very smooth film surface

Features

- Low volatility
- Does not affect bond strength
- Addition of slip masterbatch depends on polymer type and degree of COF (Co-efficient of friction) required
- Can be available on slow migration characteristic of the additives
- Recommended dosage: 0.5 % to 2%

UV MASTERBATCH

Introduction

Based on unique HALS type active ingredients. Highly effective performance MB. **Sulphur Resistant 3rd Generation UV Masterbatches for agri films, PP / HDPE ropes etc. are available.** It helps to provide perfect UV resistance even in the presence of strong insecticides and pesticides.

Applications

Blown, cast and agri films, Molding, rafia tapes etc. Extruded pipes Ropes, wire & cables, Drip laterals

Benefits

- Excellent surface characteristics
- Highly resistance to extraction
- Long term UV resistance
- Improvement of UV resistance of product when exposed to sunlight

Features

- Recommended dosage: 1% to 5%
- Available in: LLDPE, HDPE or PP Base .
- Selection of UV type dase on application.
- Available with 10 % & 20% active ingredient loading or customized
- Active ingredients: Different combinations for tailor made applications

OPTICAL BRIGHTENER MASTERBATCH OB MB, Grade - AD 1212

Introduction

Manufactured from selected & genuine optical brightener additives.

Applications

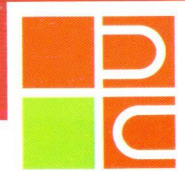
- Filaments
- All extruded products
- Carry bags
- Suitable for clear and white opaque monolayer and multilayer films.

Benefits

- Smooth surface
- Immensely improves optical properties
- Glossy finish
- Imparts bluish purple tint

Features

- Recommended additional level : 0.3% to 1%
- Additional level may vary on the basis of wall thickness of article
- PP base colours and re-processed plastics.



ANTISTATIC MASTERBATCH ASA MB, Grade – AD 1225

Introduction

Based on Oleo Chemical /Amine derivative offers the possibility of avoiding electrostatic charging by causing a fast discharge on the plastic surface

Applications

- High speed film extrusion and winding.
- Antistatic packaging for electronic components films.
- Power cable & accessories, automotive industry belts.
- Articles of households, white goods, Moulded luggage etc.

Benefits

- Easy and excellent dispersion
- An excellent price performance ratio
- Prevents static charge for a long period of time
- High extrusion throughput
- Good balance of conductive, mechanical and flow properties

Features

- Thermally stable for permanent static control, antistatic
- Recommended dosage: 2 % to 4 %
- Optimum antistatic effect can be obtained in relative humidity above 45 %
- Reduces surface resistivity to as low as 10^9 ohms.

IMPACT MODIFIER MASTERBATCH IMS MB, GRADE – AD 1230

Introduction

Ideal modifier for products requiring high impact properties: Tough, flexible, Durable Impact resistant , Thinner gauge, Feel soft and resilient

Applications

- Furniture and floor mats.
- Blow molded containers
- Pipes and hoses
- Thinner gauge carry bags specially for blends and re-processed plastics

Benefits

- Reduces / eliminates stress crack problems
- Improves impact resistant properties & end use performance

Features

- Better product performance
- Recommended dosage : 4% to 6%
- Cost benefit by increased ratio of reprocessed plastic

CONDUCTIVE COMPOUND

Introduction

The main areas where conductive MB can be utilized are Static control components which prevents damage due to high voltage sparks & surges. Spark prevention reduces the explosion hazard when handling hazardous dust, solvent based products in packaging applications.

Applications

- (IBFC) Jumbo bags, antistatic packaging
- Handling of electronic components
- Films/tape/filaments/corrugated boards
- Power cables and accessories
- Automotive components

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OTHER SPECIALITY PRODUCTS

SOFT TOUCH COMPOUND

Introduction

A technology excellence product for precise control of molecular composition and architecture. This product is sold in pellet form. Performs like rubber and processes like plastic. It is applicable for molded and mechanical goods hoses and extruded profiles. It finds application in Appliances, Automobiles, Electrical, Consumer goods, Health and Personal care products, Construction and Mechanical rubber goods.

The compounds are available in Black, natural as well as customized colours

Applications

- Grips for pens, tooth brushes
- Kitchenwares Handles.
- Seals for flask and bottle closures.
- Moulded parts for Automobile and other mechanical goods.
- Stoppers for Appliances.
- Coatings and moulded connectors for Electrical and other cables
- Extruded parts such as weather strips for automobile.
- Construction of Blow moulded parts such as bellows, boots etc.

Benefits

- Very pleasant touch
- Good compression set properties like rubber

Features

- Excellent ozone, UV resistance and weatherability.
- Good lightfastness and colour-stable & good flow properties

ANTI WARPAGE MASTERBATCH

Introduction

Masterbatches provides exceptional solution to avoid or reduce Warpage in molded parts results from differential shrinkage. Variation in shrinkage can be caused by molecular and fiber orientation, temperature variations within the molded part.

Applications

- Suitable for all types of moulded articles

Benefits

- Immensely reduces the warpage in the moulded product

Features

- Recommended addition level : 1% - 5%
- Suitable for PE and PP moulding applications

NIGHT GLOW COMPOUND

Introduction

Provides and creates amazing glowing products in the dark. Such products provides solution for various application in the dark as well as provides good aesthetic value. **Developed to produce glow for more than 8 hours.**

Applications

- PP / HDPE
- Fishing Nets
- Jumping ropes
- Moulded Articles
- Keypads
- Switches

Benefits

- Provides glowing effect in the dark.

Features

- LDPE / HDPE / PP Base applications
- Excellent dispersion



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Benefits

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Features

- LDPE / HDPE / PP Base applications
- Excellent dispersion

LASER COMPOUND**Introduction**

Laser marking is generally accepted to be the best way to permanently mark thermoplastics: Eco-friendliness, durability, indelibility, and flexibility are just a few aspects that make it more advantageous than other marking techniques. The majority of plastics cannot be marked economically and with adequate results without the use of laser sensitive additives. By using laser compound, a wide variety of polymers in almost any color can be made laser markable and the expectations are met for high-quality, high-performance polymer.

Applications

- Marking on Caps and closures
- Marking indestructible serial numbers / ID numbers / barcode on technical parts.

Benefits

Leave clearly defined visible marks on all types of applications. Very flexible in terms of surface and design

- Economic
- Inkleless
- Difficult to counterfeit
- Carried out at very high speed and without contact

Features

Pre-treatment of the surface is not necessary

No significant influence on the properties of the material.

Suitable for nearly all standard polymers and a variety of technical polymers.

Easy to incorporate into existing formulations and give well-defined and high-contrast markings.

PET MB**Introduction**

Wide range of PET colour masterbatches for PET stretch blow moulding and PET injection blow moulding.

Applications

Pharmaceutical Bottles, Pesticides Bottles, Mineral Bottles, Injection moulding Trays & Tubes, Beverage bottles, Food packaging, Household & cosmetic Bottles, PET Film & Extruded sheet, Oil Bottles, PET Strapping, Various Beauty Products Polyester Staple Fibres, Chemical Bottles.

Features

- Available in "Micropallets" form.
- Very low dosage! High colour concentration
- Suitable to withstand high processing temperatures with very good light fastness and colour consistency.
- Confirms to standards of food packaging industry.
- Offers excellent gloss, clarity and rich shade make our Masterbatch stand out globally.
- Inbuilt Antistat properties



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