GEMB

Leading Supplier of Filler & Additives Masterbatch, Biodegradable materials and Color Masterbatches

INTRODUCTION

Tradege is an International Foreign Trade company which has a global manufacturer network to provide best solutions and serve its best to the customers and exchanging value among partners with adding perfection to business since 2018. At TRADEGE, we are dedicated to continually expanding our product offerings to meet the evolving needs of our customers. In 2020, we proudly introduced GEMB masterbatches to our comprehensive portfolio of high-quality solutions.

Masterbatches are concentrated additives or pigments encapsulated in a carrier resin. They are designed to improve the properties and appearance of plastic products during the manufacturing process. By incorporating masterbatches into your production, you can achieve consistent coloration, enhanced performance, and cost-effective solutions. At GEMB, we prioritize quality and innovation in everything we do. Our masterbatches are meticulously formulated using premium-grade materials and state-of-the-art technology, ensuring superior performance and reliability. Whether you require standard colorants, custom formulations, or specialty additives, we have the expertise to fulfill your unique requirements.

Explore Our Range

Browse our catalogue to discover our diverse selection of masterbatch solutions, including:

Standard Color Masterbatches: An extensive range of vibrant colors and shades to elevate the aesthetic appeal of your products.

Functional Masterbatches: Specialized additives designed to impart unique properties such as UV resistance, flame retardancy, anti-static properties, and more.

Specialty Masterbatches: Custom formulations tailored to address specific performance requirements and industry standards.

Key Features and Benefits

Versatility: Our masterbatches are compatible with a wide range of thermoplastic resins, including polyethylene (PE), polypropylene (PP), polyvinyl chloride (PVC), and more.

Customization: Tailored solutions are available to meet specific color, functionality, and performance criteria, allowing for endless possibilities in product design.

Consistency: Achieve uniform color dispersion and batch-to-batch consistency for seamless production processes.

Cost Efficiency: Reduce manufacturing costs and waste by precisely controlling pigment dispersion and minimizing material consumption.

Technical Support: Our team of experts is dedicated to providing comprehensive technical support and guidance throughout the product development and manufacturing stages.

PRODUCTS

I. Caco3 filler masterbatch

Product description:

CaCO3 filler masterbatch is used to save production cost and improve specific characteristics of the end products. With outstanding quality Calcium Carbonate from Vietnam knowledge and experiences, we can supply fillers for various application. Beside that, we also can customize our formulas to meet customers special requirements.

Specifications

CONTENT	TEST METHOD	UNIT	RESULT
Based resin	ASH TESTER		PE
CaCO3 content	ASH TESTER	%	60-86
Density	ASTM D1506	g/cm³	1.80-1.87
Moisture content	IR	%	<0,2
Melting flow index (190°C/5 kg)	ASTM D1238	g/10mins	3-10
Particle size	Caliper	Mm	2,0-3,0
Color			White
CaCO3 Powder Size	Malvern 3000E	Micron	D97=10-15

1. CACO3 FILLER MASTERBATCH IN PE RESIN BASED

Application:

Blowing film: PE Film and bags

Injection molding: furniture, food containers, water tanks

Extrusion: HDPE pipe

2. CACO3 FILLER MASTERBATCH IN PP RESIN BASED

Application:

- Raffia: PP woven, PP small bags, jumbo bags
- PP Lamination
- PP Non-woven
- PP injection and extrusion

II. BIO master batch (BIO HF)

Product description:

BIO HF is a biodegradable & compostable filler
The addition of BIO HF goes between 5% to 60% depend on the final application.

Specifications

CONTENT	TEST METHOD	STANDART	RESULT
Based resin	ASH TESTER		PP
CaCO3 content	ASH TESTER	%	75-85
Density	ASTM D1506	g/cm³	1.80-1.87
Moisture content	IR	%	<0,2
Melting flow index (190°C/5 kg)	ASTM D1238	g/10mins	5-80
Particle size	Caliper	Mm	2,0-3,0
Color			White
CaCO3 Powder Size	Malvern 3000E	Micron	D97=10-18

Technical Analysis

Physical Property

ITEMS	METHOD OF EXPERIMENT	STANDARD	UNIT
CaCO3 Content		75 - 80	wt %
Melt Mass-Flow Rate (190°C/5 kgs)	ASTM D 1238	0.34±0.1	g/10 mins
Melt Temperature	DSC	115	°C
Density	ASTM D1895	1.90	g/cm3
Moisture	ASTM D644	<0.1	wt %
Polyme content + Additive		20 - 25	wt %

Property

Appearance (Surface color) : Light
Processing temperature : 145-165°C
Pellet Size : 3x3 (±0.3) mm
Carrier resin : PBAT (Bio plastic)
Packing : 25 kgs per bag
Storage : Keep at dry condition

Application: Blow film

FORMULA MIXING			
NAME SAMPLE	COMPOUND KINGFA	RECYCLE COMPOSTABLE RESIN	BIO HF1
Non BIO HF1 (%)	97	3	0
10% BIO HF1 (%)	87	3	10

QUALITY ESPECIALLY				
THICKNESS (13MICRON)	MD		TD	
	TENSILE STRENGTH BREAK (MPA)	ELONGATION AT BREAK (%)	TENSILE STRENGTH BREAK (MPA)	ELONGATION AT BREAK (%)
No BIO HF1 (%)	25.48	202	18.81	512
10% BIO HF1 (%)	23.54	252	14.66	528

III. Biodegradable compound

1. BIODEGRADABLE COMPOUND FOR BLOWING FILM

Product Description: CTR02 is compound made from PBAT, PLA and additives to achieve complete biodegradability.

Application
Blowing film: Shopping bags, grocery bags, carry bags

2. BIODEGRADABLE COMPOUND FOR INJECTION MOLDING AND EXTRUSION

Product Description: BG is compound made from PLA and additives and certified Compostable and Biodegradable.

Application: food container, cutlery, straight and bendy straws, etc.

IV. Additives masterbatch

Application: It is widely used in shopping bags & garbage bags, industrial films, packaging material & containers, injection, extrusion, multi layer, laminate, film blown molding technology.

The addition of Titanium Dioxide goes between 20% to 77% depend on the final application.

1. 35%TITANIUM DIOXIDE

ITEMS: PE-TI35	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH TESTER		PE	
TiO_2 content	ASTM D1506	%	35.0	34.5 - 35.5
Density	ASTM D792	g/cm3	1.82	
Moisture content	ASTM D644	%	≤0.15	
Melting flow index (190°C/2,16 kg)	ASTM D1238	g/10mins	23	20 - 25
Particle size		mm	2.2	2.0 - 2.4
Appearance			White Oval	

PRODUCTS

2. 40% TITANIUM DIOXIDE

ITEMS: PE-TI40	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH TESTER		PE	
TiO_2 content	ASTM D1506	%	40.0	39.7 - 40.3
Density	ASTM D792	g/cm3	1.81	
Moisture content	ASTM D644	%	≤0.15	
Melting flow index (190°C/2,16 kg)	ASTM D1238	g/10mins	19.0	18.0 – 25.0
Particle size		mm	1.8	1.7 - 2.0
Appearance			White Oval	

3. 50% TITANIUM DIOXIDE

ITEMS: PE-TI40	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH TESTER		PE	
TiO_2 content	ASTM D1506	%	50.0	49.7 - 50.3
Density	ASTM D792	g/cm3	1.81	
Moisture content	ASTM D644	%	≤0.15	
Melting flow index (190°C/2,16 kg)	ASTM D1238	g/10mins	26.0	24.0 – 28.0
Particle size		mm	1.8	1.7 – 2.0
Appearance			White Oval	

4. 60% TITANIUM DIOXIDE

ITEMS: PE-TI60	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH TESTER		PE	
TiO_2 content	ASH TESTER	%	60	59.5~60.5
Density	ASTM D1506	g/cm3	1.81	1.80~1.83
Moisture content	IR	%	≤0.15	
Melting flow index (190°C/2,16 kg)	ASTM D1238	g/10mins	22	21 - 23
Particle size	Caliper	mm	2.2	1.9 - 2.4
Appearance			White Oval	

5. 68% TITANIUM DIOXIDE

ITEMS: PE-TI68	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH TESTER		PE	
TiO_2 content	ASH TESTER	%	68.0	67.8 - 68.3
Density	ASTM D1506	g/cm3	1.81	
Moisture content	IR	%	≤0.15	
Melting flow index (190°C/2,16 kg)	ASTM D1238	g/10mins	22.0	21.0 – 23.0
Particle size	Caliper	mm	1.8	1.7 - 2.0
Appearance			White Oval	

1.20% BASO4 FILLER

Physical Property

ITEMS: BA20	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH		PE	
$BaSO_4$ Content	ASH	%	20.0	19.5 – 20.5
Density	ASTM D1506	g/cm3	1.85	
Moisture content	IR	%	≤0.15	
Melting flow index (190°C/2.16 kg)	ASTM D1238	g/10mins	20.0	19.0 – 22.0
Particle size	Caliper	mm	1.8	1.6 - 2.0
Appearance			White Oval	

2. 35% BASO4 FILLER

ITEMS: BA35	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH		PE	
$BaSO_4$ Content	ASH	%	35.0	34.5 - 35.5
Density	ASTM D1506	g/cm3	1.85	
Moisture content	IR	%	≤0.15	
Melting flow index (190°C/2.16 kg)	ASTM D1238	g/10mins	18.0	17.0 – 19.0
Particle size	Caliper	mm	1.8	1.6 - 2.0
Appearance			White Oval	

V. TRANSPARENT MASTERBATCH

Application: PE shopping bags & garbage bags, industrial films, packaging material & containers,etc. In general for injection, extrusion, film blown molding technology.

3. 75% BASO4 FILLER

Physical Property

ITEMS: BAT7505	TEST METHOD	UNIT	RESULT	ABOUT RESULT ALLOWED
Carrier resin	ASH		PE	
$BaSO_4$ Content	ASH	%	75.0	74.5 - 75.5
Density	ASTM D1506	g/cm3	1.85	1.83~1.87
Moisture content	IR	%	≤0.15	
Melting flow index (190°C/2.16 kg)	ASTM D1238	g/10mins	15.0	14.0 – 16.0
Particle size	Caliper	mm	1.8	1.6 - 2.0
Appearance			White Oval	

VI. Additives Masterbatch

1. ANTI - UV MASTERBATCH

Introduction

Exposure to sunlight can have adverse effects on the useful life of plastic products. Ultraviolet (UV) radiation can break down the chemical bonds in a polymer. Photo-degradation causes cracking, chalking, color changes and the loss of physical properties. Therefore, UV stabilizing packages are vital to ensuring a polymer. Generally, UV stabilizers are categorized by two classifications: UV absorbers and hindered amine light stabilizers (HALS). High performance UV stabilizer masterbatches offer the optimal UV stability to meet current and upcoming requirements.

PRODUCTS

Product Benefits

- Excellent UV resistance to meet end use requirements
- Optimal balance between UV stability and long-term thermal stability
- Tailored products as per end use requirements
- Good processability.

Applications and Recommended UV Stabilizer System

- Polyolefin films (for thin wall thickness like film, HALS is more efficient UV stabilizer than UV absorbers)
- Polyolefin injection molded (synergistic HALS mixture)
- PP fiber pigmented (Combination masterbatch between HALS and UV absorber)
- PP pipes (HALS)

2.ANTIOXIDANT MASTERBATCH

Product Description

HII AO 11 is the combination of antioxidant additive in LLDPE carrier. It is used to protect polymers from degradation, both during processing and during use. The percentage of use of masterbatches is recommended about 1and 5%.

Application

Pipes, Profiles, Films, Cables, Injection molding, Tapes, Geotexfiles, Blowmoldin

3. ANTI-BLOCK MASTERBATCH

Introduction

In plastic films production, anti-blocking properties are crucial for further handling and converting because plastic layers tend to stick together. The addition of an anti-block agent creates space between 2 plastic layers (surface roughness) preventing so-called blocking. Mostly Anti-block masterbatch is used in multilayer structure films in order to have the highest benefit. It is used to lessen the ad-hesion of the surface of products made from the formulation of like or different surfaces

Description

Anti block masterbatch is an additives masterbatch in PE resin based. This can give an advantage in end-use ap-plications such as opening plastic bags.

Application

Blowing film: Shopping bags, grocery bags, carry bags

4. SLIP AGENT

Introduction

In film processing, films tend to adhere to themselves (film-to-film) and metal surfaces (film-to-metal) due to their high coefficient of friction (COF), which damages to the surface of products, reducing optical properties, reducing force, affecting the appearance and deforming the products, affecting the printing process, etc. Besides, slip agent has low molecular size and low COF so it significantly minimizes these problems. Slip agents brings many advantages, such as: lowering surface friction and resistivity, reduce melt viscosity and mold release

Description

Slip agent is combination of fatty acid amides in PE resin based. It's used to increase the gloss and smoothness of the film.

Application

Blowing film: Shopping bags, grocery bags, carry bags

VII. Calcium Carbonate Powder (CaCO3)

Product description

Superfine Calcium Carbonate Powder is manufactured from natural, white and pure limestone and calcium carbonate which has the best quality in Vietnam. An Tien Industries' coated and uncoated Calcium Car-bonate powder having highest whiteness and brightness is produced by the most advanced technology production lines **Application:**

- Plastic industry: Filler masterbatch, plastic pipes, cables, etc.
- Paint industry
- Paper industry
- Construction industry

Specificatons

CONTENT	SPECIFICATIONS
Top-cut: D97	8-55µm ±2
Mean size: D50	2,5 - 5µm ±0,5
Whiteness	98% Min
Brightness	96% Min
Moisture (Ex-work)	0,25% Max
Density (Raw material)	2,7 g/cm³
PH	8-9
CaCO3 content	99% Min

PRODUCTS

BG1000

- 100% PBAT
- High molecular weight, low acid value
- Good processability, weldable and printable
- Highly compatible with natural materials like PLA, PBS, TPS, Starch...
- Shelf life: 12 months
- Applications: can be processed on conventional blow-molding machines, blending process

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ASTM D792	g/ml	1.25
MFI	190°C/2.16kg	ASTM 1238	g/10min	2-5
Melt temperature	-	ASTM 3418	°C	125
Tensile strength (MD/TD)	25°C	ASTM D638	kgf/㎠	>400/500
Elongation (MD/TD)	25°C	ASTM D638	%	>500/600
Tear Strength (MD)	25°C	ASTM D1004	kgf/cm	400/1600

*Thickness 30㎛

BG1070

- 100% PBAT
- High molecular weight, low acid value
- Good processability, weldable and printable
- Highly compatible with natural materials like PLA, PBS, TPS, Starch...
- Shelf life: 12 months
- Applications: can be processed on conventional blow-molding machines, blending process

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ASTM D792	g/ml	1.25
MFI	190°C/2.16kg	ASTM 1238	g/10min	2-5
Melt temperature	-	ASTM 3418	°C	125
Tensile strength (MD/TD)	25°C	ASTM D638	kgf/㎠	>220/ 180
Elongation (MD/TD)	25°C	ASTM D638	%	>300/450
Tear Strength (MD)	25°C	ASTM D1004	kgf/cm	>100

*Thickness 30㎛

BG5000J

- 100% PBS
- Certified Compostable and Biodegradable
- Suitable for food contact
- High MI
- Shelf life: 12 months
- Applications: Can be processed for coating, injection molding (fishing gear), production of diverse disposable products

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	-	ASTM D792	-	1.3
MFI	190°C/2.16kg	ASTM D1238	g/10min	15~25
Melt Temperature	-	ASTM 3418	°C	115~118
Tensile Strength	-	ASTM D638	Mpa	>370
Elongation	-	ASTM D638	%	>10
HDT	-	JIS K7207	°C	92

BG5000M

- 100% PBS
- Certified Compostable and Biodegradable
- Low MI
- Shelf life: 12 months
- Applications: Can be mainly used for extrusion to produce sheet, film, fiber (fishing net)

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	-	ASTM D792	-	1.25~1.27
MFI	190°C/2.16kg	ASTM D1238	g/10min	2~5
Melt Temperature	-	ASTM 3418	°C	115~118
Tensile Strength	-	ASTM D638	kgf/cm²	>370
Elongation	-	ASTM D638	%	>100
HDT	-	JIS K7207	°C	93

BG8800

- Compound made from PBAT, PLA with slip and anti-block agent
- Certified Compostable and Biodegradable
- High tensile strength and excellent failure energy
- Easy processing
- Low melting index (MI)
- Low acid value
- Shelf life: 12 months
- Applications: can be used in producing general thin film.

PRODUCTS

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	-	ASTM D792	-	1.29~1.32
MFI	190°C/2.16kg	ASTM D1238	g/10min	2~5
Melt Temperature	-	ASTM 3418	°C	110~130, 150~180
Tensile Strength (MD/TD)	-	ASTM D638	kgf/cm²	>320
Elongation (MD/TD)	-	ASTM D638	%	>450
Tear Strength (MD)	-	ASTM D1004	kgf/cm	>110

*Thickness 20㎛

CTR02-A

- Made from PLA and PBAT
- Good processability, printable
- Applications: transparent film (Shopping bags, grocery bags, carry bags, etc)
- Shelf life: 12 months

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ISO 1183	g/cm3	1.25-1.27
MFI	190°C/2.16kg	ASTM 1238	g/10min	2-4
Melt temperature	-	DSC	°C	128-130
Tensile strength (MD/TD)	25°C	ISO527-3	Mpa	30/13
Elongation (MD/TD)	25°C	ISO527-3	Mpa	200/450
Tear Strength (MD/TD)	25°C	ISO 6383-2	mN	100/600

*Thickness 14μm

CTR02-B

- Made from PLA and PBAT
- Good processability, printable
- Applications: translucent film (Shopping bags, grocery bags, carry bags, etc)
- Shelf life: 12 months

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ISO 1183	g/cm3	1.25-1.27
MFI	190°C/2.16kg	ASTM 1238	g/10min	5-10
Melt temperature	-	DSC	°C	125-130
Tensile strength (MD/TD)	25°C	ISO527-3	Mpa	30/14
Elongation (MD/TD)	25°C	ISO527-3	Mpa	200/500
Tear Strength (MD/TD)	25°C	ISO 6383-2	mN	300/1800

*Thickness 11μm

CTR02-C

- Made from PBAT, PLA and CaCO3
- Good processability, printable
- Applications: White film (Shopping bags, grocery bags, carry bags, etc)
- Shelf life: 12 months

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ISO 1183	g/cm3	1.33
MFI	190°C/2.16kg	ASTM 1238	g/10min	2-5
Melt temperature	-	DSC	°C	128-132
Tensile strength (MD/TD)	25°C	ISO527-3	Mpa	28/24
Elongation (MD/TD)	25°C	ISO527-3	Mpa	400/500
Tear Strength (MD/TD)	25°C	ISO 6383-2	mN	600/1500

*Thickness 25μm

CTR02-D

- Made from PBAT and Starch
- Good processability, printable
- Applications: White film (Shopping bags, grocery bags, carry bags, etc)
- Shelf life: 12 months

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ISO 1183	g/cm3	1.23-1.25
MFI	190°C/2.16kg	ASTM 1238	g/10min	3-5
Melt temperature	-	DSC	°C	120-125
Tensile strength (MD/TD)	25°C	ISO527-3	Mpa	18/9
Elongation (MD/TD)	25°C	ISO527-3	Mpa	300/600
Tear Strength (MD/TD)	25°C	ISO 6383-2	mN	350/1800

*Thickness 14μm

CTR02-E

- Made from PBAT and CaCO3
- Good processability, printable
- Applications: White film (Shopping bags, grocery bags, carry bags, etc)
- Shelf life: 12 months

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ISO 1183	g/cm3	1.45-1.47
MFI	190°C/2.16kg	ASTM 1238	g/10min	2-3
Melt temperature	-	DSC	°C	125-130
Tensile strength (MD/TD)	25°C	ISO527-3	Mpa	14/8
Elongation (MD/TD)	25°C	ISO527-3	Mpa	250/500
Tear Strength (MD/TD)	25°C	ISO 6383-2	mN	400/1600

*Thickness 14μm

PRODUCTS

ANBIO S3

- Made from PLA and PBAT
- Mainly used for extrusion.
- Applications: straight and bendy straws
- Shelf life: 12 months

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	25°C	ISO 1183	g/cm3	1.263
MFI	190°C/2.16kg	ASTM 1238	g/10min	2-5
Melt temperature	-	DSC	°C	155
Apperance	25°C	-	-	White

BG4400

- Compound made from PLA and additives
- Certified Compostable and Biodegradable
- High biobased content
- Suitable for food contact
- Optimal balance of stiffness and toughness
- Easy processing
- High temperature resistance: 100-115°C
- Shelf life: 12 months
- Applications: Can be used in producing food container, cutlery, usable on conventional plastics injection molding machines.

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	-	ASTM D792	g/ml	1.4
MFI	190°C/2.16kg	ASTM D1238	g/10min	5~12
HDT	-	ASTM D648	°C	100~120
Tensile Yield Strength	-	ASTM D638	kgf/cm²	300~400
Tensile Elongation	-	ASTM D638	%	<20

BG4800

- Made from polylactic acid resin (PLA), impact modifier
- Certified Compostable and Biodegradable
- Strong impact resistance
- Shelf life: 12 months
- Applications: Can be used in producing 3D filaments.

PHYSICAL/ MECHANICAL PROPERTIES				
ITEM	CONDITIONS	METHOD	UNIT	VALUE
Density	-	ASTM D792	-	1.15~1.2
MFI	190°C/2.16kg	ASTM D1238	g/10min	5~10
HDT	-	ASTM D648	°C	50
Tensile Yield Strength	-	ASTM D638	Mpa	>38
Tensile Elongation	-	ASTM D638	%	>5
Notched Izod impact	Notched	ASTM D256	J/m	>200
Flexural Strength	-	ASTM D790	Mpa	>40

BIO master batch (BIO HF1)

Product description: BIO HF1 is a biodegradable & compost compound.

The addition of BIO HF1 goes between 5% to 20% depend on the final

Technical Analysis
Physical Property

ITEMS	METHOD OF EXPERIMENT	STANDARD	UNIT
PBAT Content		80	wt %
Melt Mass-Flow Rate (190°C/5 kgs)	ASTM D 1238	0.34±0.1	g/10 mins
Melt Temperature	DSC	115	°C
Density	ASTM D1895	1.90	g/cm3
Moisture	ASTM D644	< 0.1	wt %
Polyme content + Additive		20	wt %

Property

Appearance (Surface color)	: Light
Processing temperature	: 145-165°C
Pellet Size	: 3x3 (±0.3) mm
Carrier resin	: PBAT (Bio plastic)
Packing	: 25 kgs per bag
Storage	: Keep at dry condition

COLOR MASTERBATCHES

Black Masterbatch is the combination of high-quality carbon black pigment, virgin polyethylene, and specific additives to create black coloration for plastic products. Not only does it offer end-products a beautiful colored surface, Black colorant also improves a large number of plastic characteristics. At GEMB, we offer a vast array of Black Colorants to fulfill all customers' particular requirements.

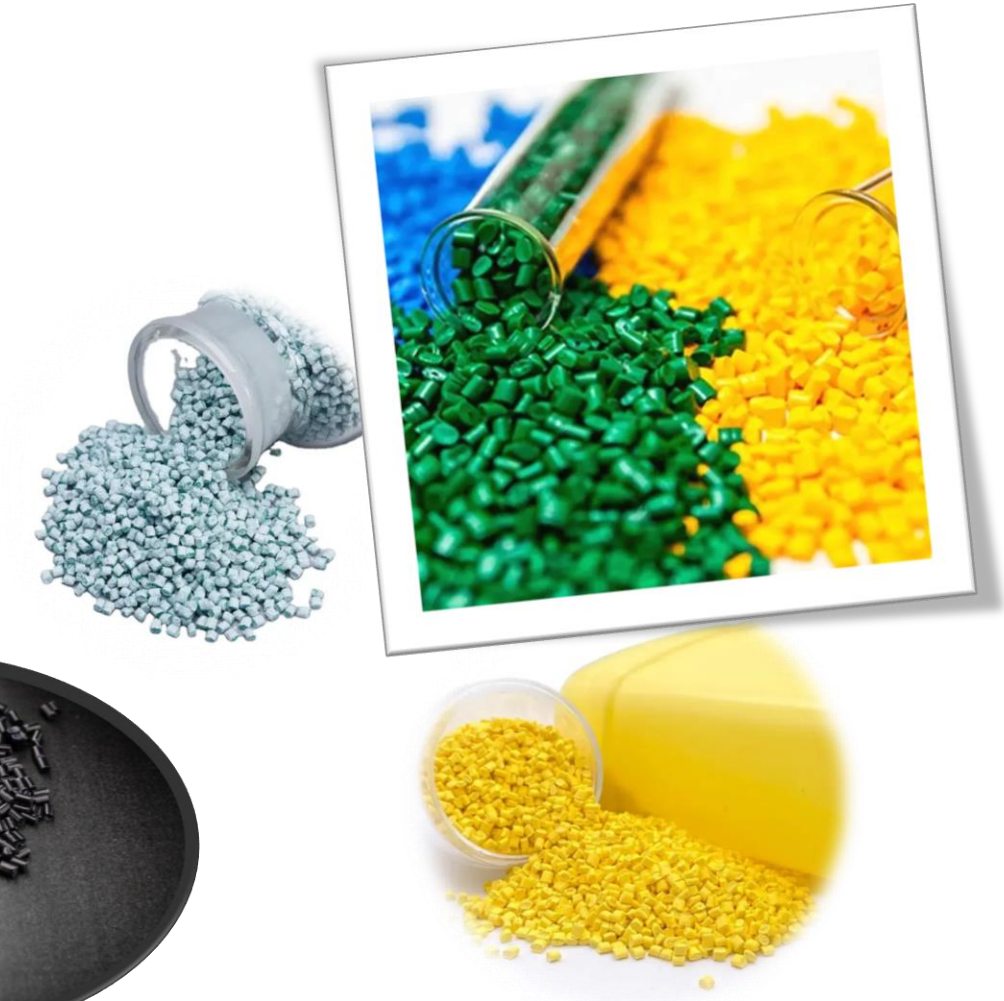
Benefits

•Create black color for end-products.
•Great dispersion.
•High color fastness and thermal resistance.
•Improve end-products' properties, such as UV resistance.
•Various level color choices.

Application

Black colorant is widely used in various applications thanks to its outstanding advantages:

•Injection moulding Mechanical equipment…
•Extrusion Water pipe, cable sheathing articles, dripping irrigation pipes…
•Blown films Silage wrap films, garbage bags…
•Coating Automotive, black mass stone coating…



Other color masterbatches have various different colors (yellow, green, red, orange, brown, blue, silver, gold, purple, gray, pink masterbatch, etc).

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