



Plastic Colorant Masterbatch PET Green Masterbatch for Bottle


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Your Message

Title: Enhancing PET Bottle Aesthetics with PET Green Masterbatch

In the realm of PET bottle manufacturing, color plays a crucial role in both aesthetics and functionality. PET bottles come in a myriad of colors, each achieved through the addition of color masterbatches. Among these, PET green masterbatch stands out as a versatile and widely used option, offering a spectrum of benefits that elevate the quality and appeal of PET bottles.

Unveiling PET Green Masterbatch:

PET green masterbatch represents a pinnacle of colorant technology, formulated specifically for PET bottle production. Derived from PET PETG resin, our PET green masterbatch is engineered with high color-concentration, ensuring vibrant and consistent green hues that enhance the visual appeal of PET bottles. Its superior brightness further accentuates the clarity and brilliance of the green color, making it an ideal choice for a wide range of applications.



SPECIFICATION DATA SHEET

ITEM	UNIT	VALUES	METHOD
Color	-	Green Masterbatch	-

Colorant concentration	%	10	-
Melting point	°C	245-252	ISO11357-3:1999
Melt mass-flow rate/MFR	g/10min	38	ASTM D-1238
FPV	bar/g	0.45	DIN-EN 13900-5
Intrinsic viscosity	dl/g	0.495	GB17931-2003
moisture content	%	≤0.1	ASTM D6980-04
bulk density	g/ML	0.907	GB/T 1636-1979
color difference△E	≤	0.3	△E≤0.5

Setting Standards with Excellence:

As a leading manufacturer of PET masterbatches in China, we take pride in our commitment to excellence. Our PET green masterbatch exemplifies this dedication, delivering unparalleled quality at competitive prices. We prioritize high standards in every aspect of our manufacturing process, ensuring that our products meet the rigorous demands of our clients. Additionally, we offer customizable services to accommodate unique requirements and preferences, providing tailored solutions that exceed expectations.

Versatility in Color Selection:

While PET green masterbatch remains a popular choice, our product portfolio extends far beyond, offering a diverse range of colors to cater to every need. From transparent blues to radiant reds, luminous yellows to captivating purples, and everything in between, our PET masterbatches for water bottles come in a plethora of shades. All our masterbatches are food-grade certified, guaranteeing safety and compliance with industry standards, making them suitable for a wide range of applications, including beverage packaging.

Sustainability and Innovation:

At the core of our PET green masterbatch is a commitment to sustainability and innovation. By utilizing PET PETG resin, a recyclable material, we contribute to the circular economy and minimize environmental impact. Furthermore, our masterbatches are engineered for excellent migratory properties, ensuring uniform color dispersion and minimizing waste during the manufacturing process. With sustainability and innovation as guiding principles, we strive to push the boundaries of possibility and drive positive change in the industry.



Our Advantage:

- Leading Manufacturer of Plastic Masterbatch;
- High Performance Equipments and Strong R&D Team, High Grade Quality;
- We are partner of Decathlon, Anta and some other world-wide brands;
- We produce all kinds of plastic masterbatch PET, PE, PP, ABS, PS, PA, PLA, PBAT, Functional Masterbatch, PC/ABS and also modified plastics;
- Huge Capacity, fast delivery and good prices.

In conclusion, PET green masterbatch represents a versatile and essential component in PET bottle manufacturing, offering unparalleled color vibrancy, clarity, and consistency. As a leading manufacturer of PET masterbatches in China, we are dedicated to delivering high-quality products, competitive pricing, and customizable solutions to our clients worldwide. With a diverse range of colors and a commitment to sustainability and innovation, we are poised to shape the future of PET bottle aesthetics and functionality.

Learn More About PET Masterbatch

We are a leading plastic masterbatch manufacturer, our products are approved and customers like COCA COLA, PEPSICO ...

Below PET Colors are popular: Transparent Blue, Transparent Green, Transparent Olive, Transparent Red.
Please contact me if you are interested. Please see blow:





Know More About US

Our company is over 20 years in plastic masterbatch industry, we specialize in researching and produce all kinds of Color masterbatches, functional masterbatch, fiberglass reinforced plastics and burning resistant plastic raw materials, located in Tong'an Industry Park of Xiamen City in China.

We have 5 factories, over 70 production lines with advanced equipments imported for USA, our capacity is over 5000 tons/month. We strictly conduct ISO9001:2000 standards and the Quality-Control processing. All of our products meet the requirements of SGS, RoHS, and EN71. We focus on high quality masterbatches, and our main products are: PE, PET, PP, PA, ABS, PBT, PC masterbatches for blowing film, molding injection and extrusion. One of our factory specially manufacturer PET, PP masterbatches for PET filament yarns, and PP multi filament yarns. Our engineering plastics including modified ABS, PP, PC, PBT, PA6, PA6, PA66 granules with excellent functions of burning resistance (UL94 V-0 Grade), fiber reinforced, heating resistance, strong ductility, etc.

In conclusion, we are professional in producing all kinds of plastic masterbatch, including additive master-batch, functional masterbatch, PE flame retardant masterbatch, ABS flame retardant masterbatch, Anti-Oxygen masterbatch, Anti-UV masterbatch, Anti-bacterial masterbatch, Antiblock masterbatch, and some other additive masterbatches.



Product Range and Applications:

Our products range



Application: Blowing film for agriculture, shopping bags, etc.

Application: Home appliance, etc.



PP carpet

PP Nonwoven fabric



Masterbatch for PET, PA, PP filament yarn

Modified plastics, ABS, Nylon PA6 PA66 with glass fiber

WIDE APPLICATION OF OUR MASTERBATCHES

Our masterbatches find a multitude of applications across diverse industries. Whether in plastics, textiles, or various manufacturing processes, our masterbatches play a pivotal role in enhancing product quality and performance. With customizable formulations, they offer color consistency, UV protection, flame resistance, and more, making them the go-to solution for countless applications. From automotive parts to packaging materials, our masterbatches are the trusted choice for achieving superior results across a wide spectrum of industries.



**Textile****Automotive****Cosmetics & Toiletries****Medical****Consumer Electronics****Food and Drink****Household****Pet Care****Cosmetics & Toiletries**

HIGH COMPATIBILITY OF OUR MASTERBATCH

Our custom masterbatches are designed to match specific polymers, ensuring optimal performance when incorporated into your selected material. We have the capability to produce masterbatches suitable for a variety of polymers mentioned below, and many more. If you're working with a material that isn't listed here, please don't hesitate to reach out to our knowledgeable technical team to explore the possibility of meeting your specific needs.



LDPE

Low Density Polyethylene – Somewhat more translucent than HDPE and considerably more pliable, primarily employed in flexible packaging, tote bags, pliable tubing, film applications, and similar uses. Like HDPE, it has limited transparency characteristics. It exhibits outstanding chemical resistance to alcohols, acids, and alkalis but has restricted resistance to hydrocarbon solvents and mineral oils. Prolonged exposure to UV radiation can initiate degradation.

HDPE

High-Density Polyethylene – Featuring a somewhat milky-white appearance, this material finds wide application in rigid bottle packaging, injection-molded caps and closures, crates, and more. Its natural opacity can limit the degree of transparency attainable. HDPE exhibits superior chemical and solvent resistance when compared to LDPE.



PPHO / PPCO

PPCO Random & PPHO – A polymer with moderate clarity, employed in the production of caps and closures. It is also utilized for crafting household items, buckets, toys, and storage containers. Polypropylene offers flexibility without significant limitations on color or special effects. Random copolymer boasts greater clarity compared to homopolymer and is better suited for creating translucent shades.

PPCO Block – Similar to PPCO but enhanced for increased impact resistance. An additive renders the polymer white, resulting in high opacity. This characteristic may limit the achievable

transparency.

PET

Polyethylene Terephthalate (PET) – Polyester materials exhibit robust mechanical strength along with excellent chemical resistance and barrier properties. PET is frequently chosen for the production of carbonated beverage containers. Moreover, polyester can be spun and employed in textile manufacturing for clothing. PET is highly transparent, making it an excellent choice for translucent packaging, although a subtle hint of "yellowing" may impact extremely light tints.



PBT

Polypolyethylene Terephthalate – A crystalline thermoplastic engineering polymer frequently employed as an insulating material within the electronics sector. This substance belongs to the polyester category, showcasing a remarkable equilibrium of attributes and processing qualities.



GPPS

General Purpose Polystyrene – Exhibiting a glass-clear appearance but possessing minimal impact resistance, this material finds its primary application in CD cases. Its notable clarity renders it suitable for creating translucent hues, although an occasional violet tint may be discernible.



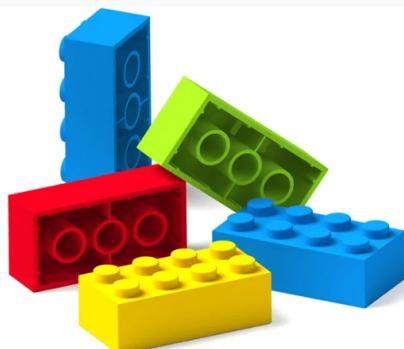
HIPS

High Impact Polystyrene – Derived from GPPS by incorporating an impact-enhancing agent to boost its resistance to impacts. This added component results in the polymer becoming white, and different formulations provide varying degrees of opacity. Typically employed in the fabrication of game pieces, toys, and similar items. Its pronounced whiteness can pose challenges when aiming for translucent coloration. Specialized alternatives like K-Resin and Styrolux are accessible in the market to attain the same level of translucency as GPPS.



ABS

Acrylonitrile Butadiene Styrene (ABS) – A more robust iteration of High Impact Polystyrene (HIPS) employed in high-value components. ABS exhibits greater durability compared to HIPS-made components, although it encounters similar challenges when attempting to achieve translucent colorations. Just like HIPS, ABS offers specialized translucent variants. Owing to its durability, ABS is commonly used in crafting casings for power tools.



PA66 / PA6

Polyamide (6, 66) – Nylon represents a versatile grade





extensively employed in mechanical construction and maintenance. Its popularity stems from its excellent blend of mechanical strength, rigidity, mechanical damping characteristics, and effective electrical insulation capabilities. Consequently, nylon is a preferred material for manufacturing electrical enclosures. PA66 serves as a common alternative to metal across diverse applications, with its chemical and physical attributes closely resembling those of PA6. PA6 exhibits superior impact resistance and resistance to solvents, albeit with a heightened susceptibility to moisture absorption.

SAN

Styrene Acrylonitrile Copolymer – Possessing transparency and outstanding chemical and heat resistance, SAN also boasts good rigidity, tensile strength, and flexural strength. Thanks to its high-gloss finish, SAN is commonly chosen for cosmetic packaging purposes. However, achieving light tint colors with SAN can be challenging due to the violet dyestuffs inherent in the material, which are utilized to enhance its visual appearance during manufacturing.



PETG

Polyethylene Terephthalate Glycol – PET with the incorporation of glycol. This glycol addition enhances flow properties but diminishes strength. PETG can be extruded to create bottles and can be formed into sheets for producing 'blister' style packaging.

TPE / TPU

Thermoplastic Elastomer (TPE) or Thermoplastic Polyurethane (TPU) – TPU finds diverse uses in applications such as automotive instrument panels, caster wheels, power tools, medical devices, as well as various extruded film, sheet, and profile applications. TPEs are employed across a wide range of applications in industries spanning automotive, medical, construction, electrical, appliances, packaging, and industrial sectors.



Frequently Asked Question

Frequently asked questions about our masterbatch

What is masterbatch?

Masterbatch is used to add colour or enhanced properties to plastic components. It's a concentrated formula of colourants and/or effects and/or additives, combined with fillers, encapsulated within a carrier plastic resin. Masterbatch is supplied in pellet form to be dosed into raw polymer for use in plastic manufacturing. Masterbatch can be used with virgin polymer or used with recycled plastic. We encourage customers to consider using PCR (post-consumer recycled) resins wherever possible. Want to know more? Check out our detailed article for a deeper explanation of masterbatch and its incredible role in enhancing product colours. Click [here](#) to contact us!

How long will it take to get a color match?

It will usually take our team 3-5 working days to dispatch a color match sample following receipt of a new color match request. Our team process several matches every day, if we have an exceptionally high volume of matches to produce then leadtimes may be longer. We advise all customers to request matches as soon as they can, in order to avoid any delays.

Can I get a free sample?

How long will it take for me to get a sample?

What are the minimum order quantities for masterbatches?

How long will it take for my order to be dispatched?

Why do I need masterbatch?

Which polymers do we manufacture masterbatches for?

What let down rate should I use?

Related Masterbatches

Great things in business are never done by one person. They're done by a team of people. We have that dynamic group of peoples



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We deliver high quality, consistent and cost effective masterbatch solutions. A 26 year legacy of reliability, innovation & sustainability.



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