



Dazzling Jewelry



ART OF LASER MARKING ADDITIVES

PRODUCT CATALOG

*The first production supplier in China to R&D
and produce laser marking additives*

www.djadditive.com





WELCOME TO OUR DAZZLING JEWELRY CATALOG

Dazzling Jewelry is a cutting-edge enterprise dedicated to the research, development, production, and distribution of high polymer additives. As the trailblazer in China for independently creating and manufacturing laser marking additives, we take pride in our specialization in plastic functional additives. Our product range encompasses laser marking additives, flame retardants, and antistatic additives, catering to various plastic applications.

We are excited to announce the recent successful development of our innovative color laser marking additive, further expanding our product offerings.

Our mission is to provide comprehensive project solutions and enhance the value of our products, enabling our customers to enjoy seamless end-to-end management. We take great pride in our reputation for being swift, adaptable, and focused, ensuring that we consistently meet and exceed the expectations of our clients.

ABOUT US

LEADERS SINCE 2013

The founder of Dazzling Jewelry, Mr. Lin Wu, had the pleasure of meeting a doctoral student supervisor from the National Polymer Laboratory of Sichuan University in 2012.

During their conversation, the supervisor mentioned a groundbreaking product that could solve a bottleneck problem in the plastics industry by permanently marking required information onto plastic surfaces using laser technology. Mr. Lin found this idea very intriguing and saw an opportunity for Dazzling Jewelry to positively impact the plastics industry.

Therefore, Dazzling Jewelry was established in 2013 as the first company in China to research and develop laser marking additives. It was a challenging start for the company, as laser marking for plastic technology was not widely known or understood in China





Mission

Centered around high-quality development and a steadfast commitment to sustainable practices. We strive to provide customers with reputable and cost-effective functional additives that deliver exceptional value.

Vision

To provide every customer with professional and reliable development support, leading the way in the shift from customization to standardization.

Values

We pledge to—Placing customer needs first,

We pledge to—Achieving win-win cooperation through trustworthiness

We pledge to—Ensuring product quality for our customers

We pledge to—Maintaining a clean and orderly production environment

What is the functional additive for plastic?

They influence the final application's specific performance by imbuing new product characteristics, such as flame retardancy or laser marking, antistatic properties, etc. In the process, they help plastics expand their range of applications and value. Dazzling Jewelry provides functional additives including flame retardants, antistatic agents, laser marking additives

Laser marking

Flame retardant



Flame retardant additive are chemical compounds added to plastics in order to prevent, delay, or slow down combustion, reduce smoke formation, and/or prevent the material from melt collapse (anti dripping). These additives are common in numerous everyday products to avoid the ignition and burning of plastics.

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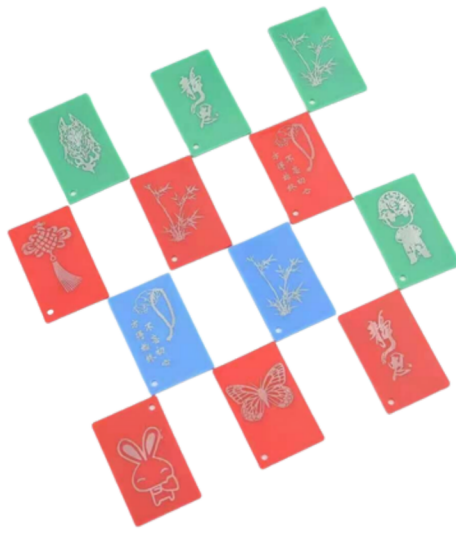


Laser marking additive which is a specific sort of additive highly demanded for the manufacturing industry to produce high-quality enduring patterns on assorted plastic products. It has been made to provide a high-contrast as well as clear mark on several plastic surfaces. It is a highly versatile as well as effective solution, used for Product identification, automotive parts, Electronics, packaging, automotive parts, etc

Antistatic



Anti-static additives are chemicals that minimize the build-up of static electricity on plastic materials. Anti-static additives can be included during the manufacturing of plastics.



Laser marking additives are now available as a custom-formulated masterbatch or compound in a wide range of polymers for injection moulding and extruding plastic components. This laser marking additive can be supplied to order by client in virtually customization any colour or effect

Laser marking additives offer several advantages and features over other marking methods:

1. High precision: Laser marking additives provide very high precision and accuracy in marking, making them ideal for applications that require a high level of detail.
 2. Permanent marking: Laser marking additives are permanent, highly resistant to wear and tear, and do not fade over time.
 3. Versatility: Laser marking additives can be used on a wide variety of plastic, including metal, plastic, glass, and ceramics.
 4. Cost-effective: Laser marking additives are cost-effective, as they can be applied quickly and efficiently onto the surface of the material, reducing the cost per mark.
 5. Non-contact marking: Laser marking does not require contact with the material being marked, making it ideal for use on delicate or sensitive materials.
 6. High speed: Laser marking additives can be used to mark materials quickly and accurately, even at high processing speeds, making them well-suited for industrial applications.
 7. Easy customization: Laser marking allows for easy customization of marks, including the ability to mark logos, text, and other symbols with high precision on a wide range of materials.
- Overall, laser marking additives offer a highly reliable and versatile marking solution that is suitable for a wide range of industrial and commercial applications.

Why add laser marking additives?

Many resins do not react well with laser, resulting in insufficient contrast or poor marking quality at high speeds. Therefore, the addition of laser marking additives can enable non-markable resins to become codeable, improve marking clarity, and enhance marking speed.



After laser marking on pure PP material prototypes, the lettering is unclear and cannot be identified.



After adding laser marking additives in proportion to the PP material, the lettering becomes clear and visible.

White marked black family parameters

Form	: Granule
Color	: Light grey\White
Density(g/cm³)	: 1.55±0.2
Suitable laser wavelength(nm)	: 355-1064
Package Size (kg)	: 25.0



Suitable Materials :

**PP、 PE、 ABS、 PA6、 PA66、 PS、 PBT、 PET、
POM、 SEBS、 TPU、 TPE etc.**

Black marked white family parameters

Form	: Granule
Color	: Black
Density(g/cm³)	: 1.55±0.2
Suitable laser wavelength(nm)	: 355-1064
Package Size (kg)	: 25.0



Suitable Materials :

**PA6、 PA66、 PC、 ABS、 PC/ABS、 PS、 PBT、 PET
etc.**

Transparency marked white family parameters

Form	: Granule
Color	: Black/Grey
Density(g/cm³)	: 1.55±0.2
Suitable laser wavelength(nm)	: 355-1064
Package Size (kg)	: 25.0



Suitable Materials :
PP、PE、ABS、PS、POM etc.

Color marked black family parameters

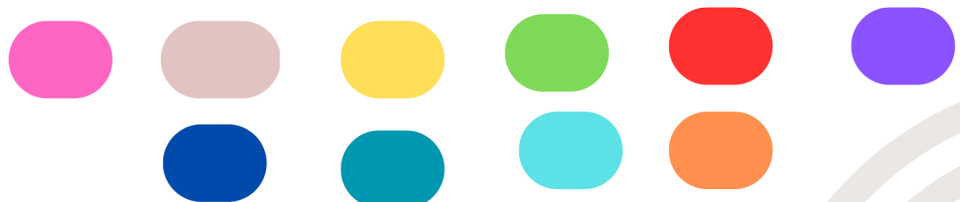
Form	: Granule
Color	: White/Grey
Density(g/cm³)	: 1.55±0.2
Suitable laser wavelength(nm)	: 355-1064
Package Size (kg)	: 25.0



Suitable Materials :

PP、PE、ABS、PA6、PA66、PS、PBT、PET、
POM、SEBS、TPU、TPE etc.

Color:



Color marked white family parameters

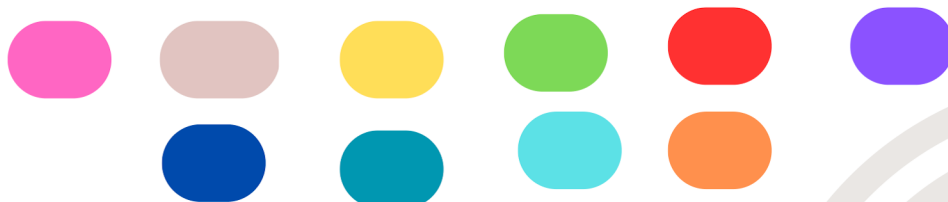
Form	: Granule
Color	: White/Grey
Density(g/cm³)	: 1.55±0.2
Suitable laser wavelength(nm)	: 355-1064
Package Size (kg)	: 25.0



Suitable Materials :

PP、 PE、 ABS、 PA6、 PA66、 PS、 PBT、 PET、
POM、 SEBS、 TPU、 TPE etc.

Color:



Black marked color family parameters

Form	: Granule
Color	: White/Grey
Density(g/cm³)	: 1.55±0.2
Suitable laser wavelength(nm)	: 355-1064
Package Size (kg)	: 25.0



Suitable Materials :

PP、PE、ABS、PA6、PA66、PS、PBT、PET、
POM、SEBS、TPU、TPE etc.

Color:



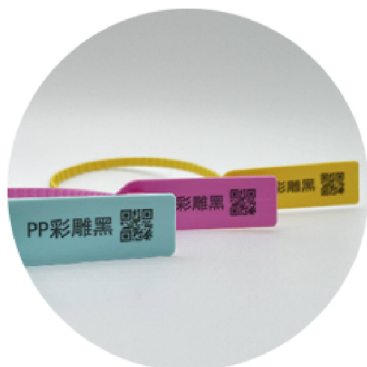
Application Areas for End Products



auto industry



3C electronics



security seals



Cables and Cords



medical product



animal ear tags



packing material

List of services and support

At Dazzling Jewelry, we place great emphasis on fostering a strong corporate culture that values care, respect, understanding, and trust among our team members.

We implement a strategy that combines production, learning, research, and education, allowing our employees to fully unleash their potential and find their own development opportunities within the company.

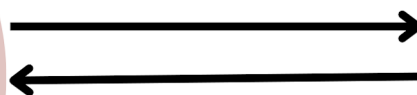
By aligning individual goals with the company's objectives, we cultivate a sense of unity and cohesion, building a formidable team with a strong fighting spirit.

Ultimately, our focus on continuous growth and development enables our employees to become more professional and efficient in providing personalized, customized, end-to-end management services to each and every one of our clients, catering to their unique preferences and needs.

The diagram consists of two large, light-pink circles. The left circle contains the word 'client'. The right circle contains the text 'Salesman, Business Director, Technician, R&D Doctor'. Between the two circles are two horizontal arrows pointing in opposite directions. The top arrow points from the client to the staff and is labeled 'Product requirements'. The bottom arrow points from the staff to the client and is labeled 'Personalized, customized samples'. Below these arrows, centered between the two circles, is the text 'Professional solution-oriented technology.'

client

Product requirements



**Personalized,
customized samples**

**Professional solution-
oriented technology.**

**Salesman,
Business Director,
Technician,
R&D Doctor**

Our advantages.



With a wealth of customer cases and practical application experience, we offer a wide range of products and diversified exclusive customization services to our clients. Our company has its own laboratory, which can assist in providing sample labeling and testing, laser parameter tuning, and more



We have established a long-term strategic partnership with the State Key Laboratory of Polymer Materials Engineering at Sichuan University, jointly building a research and development platform equipped with a professional, powerful, and efficient backend. Our research team consists of professors, post-doctoral fellows, PhD holders, and master's degree holders.

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Ordering information

Step1: The customer describes the product's information:
(What material is it made of? Is it flame retardant or reinforced with fibers? What type of laser marking machine is used? What are the color of the product requirements marking what color?)

Step2: We provide personalized and customized samples free of charge to customers for testing, based on their requirements.

The customer conducts sample testing.

The test is unsuccessful for the customer

The test is successful, and the customer places an order.

We provide personalized one-on-one solutions for our customers.

FAQ



Q: Are you a trading company or manufacturer?

A: Yes, we are manufacturers. We are equipped with six state-of-the-art twin-screw extruders and six fully automated reaction kettle production lines. We are able to comprehensively monitor product performance, ensuring the enduring stability and exceptional quality of our products. This advanced technology allows us to cater to the preferences and needs of our international clientele.



Q: How long is your delivery time?

A: Some regular products like laser marking additives and powder are available in stock. It is OK to ship 2-3 days before shipment. The official order is about 5-7 days.



Q: Do you provide samples? Is it free or charged?

A: Yes, we could offer the sample for free but do not pay the freight cost.



Q: What are your payment terms?

A: It is paid to our company's bank account.

The order amount is \leq 5000 USD and payment is 100% in advance. The order amount is \geq 5000 USD, 50% T/T in advance, and complete payment before shipment.



Q: How can we guarantee quality?

A: We suggest testing the sample first, all the official orders, including some modified material orders, are produced with reference to confirmed samples. We will keep the sample for all modified materials. And all productions will be tested before shipping.



Q: What is your strongest product?

A: Laser marking additive and flame retardant additives, including masterbatch and powder.

THANK YOU FOR CHOOSING



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