

ISO9001:2008 certification  
ISO14001:2004 certification  
2009 Top Ten Screen Printing and Special  
Printing Brands  
2010 Top Ten Potential Brands of Screen  
Printing and Special Printing  
2011 Top Ten Strength Brands of Screen  
Printing and Pad Printing  
2012 Top Ten Competitive Brands of Screen  
Printing and Pad Printing



Nanxiong Marabin Ink Co., Ltd.

南雄市马来宾环保油墨有限公司

Innovative technology Leading the industry



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Nanxiong Marabin Ink Co., Ltd.

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联合国注册企业



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高新技术企业



质量安全



中国环保产品认证



EU RoHS compliant  
Passed the EU EN71-PART3 inspection  
Passed ASTM F963-19  
Passed the "Canadian Hazardous Products" requirement  
Passed SVHC-165 testing  
Passed Halogen-free standard testing  
Passed the PAHs standard for polycyclic aromatic hydrocarbons  
Passed Phthalates o-benzenedicarbonate standard  
Passed PFOS Perfluorooctane sulfonate standard

marabin

## COMPANY PROFILE 企业简介

Nanxiong Marabin Ink Co., Ltd. is a high-tech enterprise specializing in the research and development, production and sales of various types of screen printing and pad printing inks, which are suitable for various PS, PU, UV, AS, PP, PMMA, PC, PVC, PET, acrylic, nameplates, signs, nylon materials, synthetic paper, KT board, foam board, pearl paper, YUPO paper, electroplating materials, metal materials, glass materials, etc. glass materials, etc.

The company was founded in 1999 and has successfully introduced advanced foreign equipment and technology since its inception.

All products have been strictly tested and sampled for verification to ensure that all products leaving the factory comply with Halogen, TBT, RoHS, PAHs, EN71-3, TBBP-A, Phthalates, Organic Tin, AZO compounds standards. Over the years, it has become a number of large communication, home appliances, digital, watches, automotive, decoration, handicrafts and other industries to provide professional, efficient and high-quality services.

Our company has been upholding the principle of integrity, in the "quality first, excellent service, integrity management, win-win cooperation" business philosophy, and constantly develop new products, to the quality of products as the fundamental survival. Product quality improvement, technical growth and breakthroughs, and to provide the best service and reduce costs for customers, and is committed to meet customer needs as our goal has been pursued.

Thanks to the strong support of people from all walks of life and your company to develop business relations with our company, we will wholeheartedly provide you with excellent quality products and first-class service, the most competitive product price system, with fast and on-time delivery and customer satisfaction is the wish of all our colleagues in the company. Let us work together to create a better tomorrow for the cause of environmental protection ink!

We hope more friends will come to cooperate and share the fruits of our labor. Every progress is the crystallization of sweat! Every achievement is the cohesion of the heart and blood! Look at the whole picture, far-sighted, step by step to win! Precise positioning, grasp the present, and lead the future! At Marabin, every step of enterprise development is the result of our strength, wisdom and boldness to achieve every brilliant section under our feet!





## 91SS/91S series - PVC inks

**Printed Materials:** Soft polyvinyl chloride (PVC), vinyl plastic products, wood, paper, etc.

**Examples of products:** PVC blow-up toys, daily-use products, hand bags, etc.

**Product Features:** SS series is glossy, S series is matte. Both have high covering power, heavy resistance. The products are suitable for high frequency use.

### NOTES:

- 1、When printing soft PVC. Because of the large amount of plasticizer in the substrate is very easy to cause the printing stack when the ink back stick phenomenon. It affects the quality of the printed material. Therefore, after printing with this ink, care must be taken to avoid a large number of stacking. Or use isolation paper for isolation.
- 2、When printing soft PVC. The plasticizer may cause color migration. Therefore, pay attention to the migration resistance of the color when using. Generally speaking, rose red, peach red and fluorescent colors are prone to migration. Use with caution.
- 3、If you choose 783 or cyclohexanone as the main thinner when printing soft PVC. Please pay attention to the effect of the solvent on the substrate.



## 91701PA Series of soft PVC connector inks

**Printed Materials:** Polyvinyl chloride (PVC), specifically designed for use in blow blown toys and high ultrasonic indentation areas.

**Product examples:** PVC blowing toys, handbags, raincoats, swim ring, etc

**Product Features:** Bright light, high covering power, overlap resistance, good softness, and excellent high cycle hot pressing bonding performance.

**Supporting solvent:** S-6、S-8、S-9 thinner

**Drying conditions:** Self-drying

### NOTES:

1. When printing soft PVC, the presence of a large amount of plasticizer in the substrate can easily cause ink rebound during printing, affecting the quality of the printed product. Therefore, after using this ink for printing, it is necessary to avoid lamination or use isolation paper for isolation.
2. If printing materials need to undergo high frequency processing, it must be noted that black, gold, and silver inks have slight conductivity and are prone to sparking during high frequency processing. High frequency voltage is required, and insulation black, insulation gold, or silver ink printing can be selected.



## 91SNC/91SND—Glossy moderate waterproof nylon fabric inks

**Printed Materials:** SNC series can print 420, 210 nylon fabric and Oxford fabric, SND series can print ordinary and strong waterproof nylon fabric, leather, etc.

**Product examples:** Sun umbrellas, sunshades, windbreakers, school bags and other nylon products

**Product Features:** Glossy, excellent softness, good adhesion to moderately waterproof nylon fabric

### NOTES:

- 1、When using solvent to dilute the ink, please pay attention to the solvency power of the solvent, if the solvency power is too weak, it is easy to produce the phenomenon of ink back coarse, it is recommended to use ketone. It is recommended to use ketone solvent to dilute.
- 2、When printing luggage fabrics with PVC webs on the bottom, the poor solvent resistance of PVC may cause the pattern to stick when the print is overlapped, so pay attention to the drying of the ink when receiving the material, and avoid too much overlapping.
- 3、When printing luggage fabrics with PVC webs on the bottom side, the PVC contains a large amount of plasticizers, which can easily cause color migration. Special attention should be paid to choosing a color with good permeability resistance.



## 91SNCK— Luggage Fabric Screen Printing Ink

**Printed Materials:** No waterproof fabric, luggage fabric, Oxford fabric, etc

**Product examples:** nylon products such as sun umbrellas, sunshades, windcoats, backpacks, etc

**Product Features:** matte, excellent softness, and good adhesion to moderately waterproof nylon cloth.

### NOTES:

1. When diluting ink with solvents, please pay attention to the solubility of the solvent. If the solubility is too weak, it is easy to cause ink coarsening. It is recommended to use ketone solvents for dilution.
2. When printing box and bag fabrics with PVC peritoneum on the bottom, the poor solvent resistance of PVC can easily cause pattern stickiness during printing. Therefore, when receiving materials, pay attention to the drying of the ink and avoid excessive overlap.
3. When printing bag fabrics with PVC peritoneum on the bottom, it is easy to cause color migration due to the large amount of plasticizer in PVC. When using, special attention should be paid to selecting colors with good penetration.



## 9196/9196L- High glossy non-burning surface screen printing, pad printing PS ink

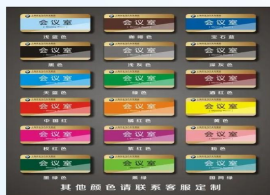
**Printed Materials:** Plexiglass, acrylic, PS, PC, PVC, etc.

**Product examples:** Plastic toys, acrylic section signs, plexiglass advertising signs, etc.

**Product Features:** H96 flat, H96L high gloss, high gloss, no corrosion of the substrate after printing, no cracks on the ink printing surface, flat, clear, no wrinkles in the printing pattern.

### NOTES:

1. When using this product for printing, you must choose S-7 special thinner to open the oil, other thinners may corrode the substrate.
2. Because the PS material solvent resistance is very poor, and there is a large difference, sometimes choose the system ink printing may also cause corrosion of the substrate phenomenon, please do a good test before printing.  
When using hot air drying, please pay attention to the corrosion of the surface of the substrate burst phenomenon.



## 9175 - Alcohol resistant, non - burning surface screen printing, pad printing PS ink

**Printed Materials:** ABS plastic, organic glass, PS, PO, hard PVC sheet, etc

**Product examples:** Plastic toys, electronic processing, nameplates, signage processing, plexiglass advertising signs, etc.

**Product Features:** High gloss, and resistant to alcohol rubbing, the printed material does not corrode the substrate after printing, and the ink printing surface is free of to marks. The printing pattern is flat, clear and not wrinkled.

### NOTES:

1. When using the product for printing. Must choose S-7 special diluent dilution ink. If the solvent contains benzene or ketone solvents. May cause corrosion of the printing substrate.
2. Due to the poor solvent resistance of PS materials and significant differences, sometimes choosing this system of ink printing may also cause corrosion of the substrate. Therefore, it is necessary to conduct testing before printing.
3. When using hot air drying, please pay attention to the corrosion and cracking phenomenon on the surface of the substrate.



## 9180- Glossy Alcohol Resistant Hard Plastic Screen Printing and Pad Printing Ink

**Printed Materials:** ABS plastic, acrylic, PMMA, PS, PC, OPP, etc.

**Product examples:** Electronic and electrical appliance casing printing, plexiglass four-color printing

**Product Features:** Extra slow drying, suitable for fine text or pattern printing; Print surface smooth, flat, alcohol resistant

### NOTES:

1. When printing with this product, please pay attention to the alcohol resistance of the printed matter  
There may be differences due to the different substrate, and solubility to grease and other  
The agent must be tested before use.
2. the series of ink on PS or some poor solvent resistance of foaming materials will cause corrosion caused by substrate burst or wrinkle, use caution.



## 9181 -- Bright PET, ABS screen pad printing ink

**Printed Materials:** Processed PET (polyester), ABS plastic, acrylic, PMMA, PS, PC, OPP, etc.

**Product examples:** Screen printing for PET packaging boxes, plastic signs, toys and other industries.

**Product Features:** Good adhesion for treated PET, alcohol resistance, abrasion resistance Good; flat light; excellent printing line.

**Matching solvents:** S-6、S-8、S-9 thinner

**Drying conditions:** Self-drying for 24 hours or baking at 70°C for 30 minutes

### NOTES:

1. When using this product for printing, because of the synthetic formula of PET substrate and process diversity, the ink may have poor adhesion to some PET substrates or Please make a good test first when using this product. Please make the relevant test first.
2. If the printed matter needs subsequent bending, bubbling, punching and other processes, adaptability test should be carried out first.





## 9187- Halogen free alcohol resistant hard plastic screen printing, pad printing ink

**Printed material:** PVC, ABS, PC, PS, PMMA etc.

**Printed products:** All kinds of digital products and home appliances, mobile phones, instruments etc.

**Ink features:** Alcohol resistance, special wear resistance, gasoline resistance, strong adhesion, good hardness, good water resistance high gloss, bright color; meet the electronic industry's requirements for halogen control requirements.

### NOTES:

1. When using the product for printing, please note that the alcohol resistance of the printed material may vary depending on the different substrates, grease and other solvents must be tested before use.

This series of inks will corrode PS or some foaming materials with poor solvent resistance and cause the substrate to burst or wrinkle, so use with caution.



## 9186—High alcohol resistance hard plastic screen printing ,pad printing ink

**Printed material:** ABS, acrylic, PMMA, PS, PC, OPP, etc.

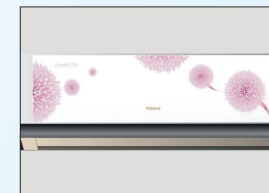
**Printed products:** All kinds of digital products and home appliances, mobile phones, instruments etc.

**Ink features:** Alcohol resistance, strong adhesion, good hardness, good waterproof performance, high gloss, good wear resistance, bright color.

### NOTES:

1. Please note that the alcohol resistance of printed products may vary due to different substrates. grease and other solvents must be tested before use.

This series of ink will corrode PS or some foaming materials with poor solvent resistance and cause the substrate to burst or wrinkle, so use with caution.



## 9188—ABS High Coverage Screen Printing, Pad Printing Ink

**Printed Material:** ABS, acrylic, PMMA, PS, PC, OPP, etc.

**Printed products:** all kinds of digital products and home appliances, mobile phones, cameras, calculators, keyboard, instrument etc.

**Ink features:** good coverage, especially when printed on black background products, it has very good coverage, excellent adhesion, nice hardness, good waterproof performance, high gloss, bright color.

### NOTES:

1. When using this product for printing, please choose a suitable thinner dilute the ink according to the printing requirements

2. Please note that the alcohol resistance of printed products may vary due to different substrates. grease and other solvents must be tested before use.

3. This series of ink will corrode PS or some foaming materials with poor solvent resistance and cause the substrate to burst or wrinkle, so use with caution.



## 91924— High alcohol resistance, high wear resistance ABS ink

**Printed material:** ABS, acrylic, PMMA, PS, PC, OPP, etc.

**Printed products:** all kinds of digital products and home appliances, mobile phones, cameras, calculators, keyboard, instrument, etc.

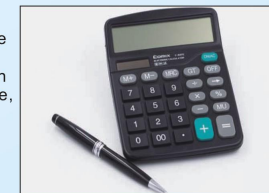
**Ink features:** extremely resistance to alcohol, extremely wear resistance, resistance to gasoline. strong adhesion, nice hardness, excellent waterproof performance, high gloss, bright color.

### NOTES:

1. When using this product for printing, please choose a suitable thinner dilute the ink according to the printing requirements

2. Please note that the alcohol resistance of printed products may vary due to different substrates. grease and other solvents must be tested before use.

3. This series of ink will corrode PS or some foaming materials with poor solvent resistance and cause the substrate to burst or wrinkle, so use with caution.



## 9120— special ink for glass cosmetic bottle (painted glass bottle)

**Printed material:** glass which surface is painted with coating.

**Printed products:** Glass bottles with coated finish.

**Ink features:** two-component ink, excellent adhesion to cosmetic glass bottles. Strong three-dimensional effect, high brightness, high definition. it can resist glass paint to ink penetration. Bake at 150°C for 15 minutes.

### NOTES:

1. H20 glass ink is two-component ink, hardener must be added in using.
2. In actual batch printing, in order to obtain the best ink stability, it is recommended that users mix ink consumption of 3-4 hours printing once. After the hardener package is opened, it should be tightly sealed immediately, otherwise it is easy to harden and deteriorate.
3. Due to the complexity of the printing process, usage and materials, the user should do test before mass printing.



## 9121— special ink for glass cosmetic bottle (glass bottle)

**Printed material:** Glass

**Printed products:** Various glass bottles, cosmetic bottles.

**Ink features:** two-component ink, excellent adhesion for cosmetic glass bottles, strong three-dimensional effect, high gloss, and high definition. The hot stamping effect after printing is very good. Bake 150°C for 15 minutes.

### NOTES:

1. H21 glass ink is two-component ink, hardener must be added in using.
2. In actual batch printing, in order to obtain the best ink stability, it is recommended that users mix ink consumption of 3-4 hours printing once. After the hardener package is opened, it should be tightly sealed immediately, otherwise it is easy to harden and deteriorate.
3. Due to the complexity of the printing process, usage and materials, the user should test before mass printing.



## 91GL— matte two-component glass ink

**Printed material:** blue glazed glass, tempered glass, tinplate, aluminum plate, etc.

**Printed products:** Furniture cabinet doors, cabinet doors, glass tabletops etc.

**Ink features:** matte, high coverage, good flexibility, good performance for overlap, suitable for high frequency use.

**Matched solvent:** S-9 Thinner

**Drying conditions:** Bake at 130°C-180°C for 8-15 minutes

### NOTES:

1. Metal substrates (tinplate, aluminum sheet) generally contain anti-rust oil, it will affect the adhesion, pay attention to degreasing before printing.
2. The surface properties of glass substrates are diverse. This ink cannot be guaranteed to be suitable for all conditions. Users should test before using this ink.
3. The ink should be used within 8 hours after adding C7 hardener. It will affect the performance of the ink after putting it for a long time.



## 9185— High gloss two-component metallic glass ink

**Printed material:** metal, glass, metal, glass, some chrome materials and high hardness painting surface.

**Printed product:** home appliance glass, tinplate, aluminum plate, chrome products, and oxidized metal.

**Ink features:** two-component, high gloss, suitable for silk screen printing, pad printing, it's slow-drying solvent type ink. Particularly good adhesion to metallic glass, outstanding solvent resistance

### NOTES:

1. The ink needs to be added with C7 hardener, and it should be used within eight hours after the reaction. it will affect the performance of the ink after putting it for a long time.
2. The surface properties of glass substrates are diverse. This ink cannot be guaranteed to be suitable for all conditions. Users should test before using this ink.
3. The drying conditions: self-drying for 24 hours or low-temperature baking at 70-80 degrees for 20-30 minutes.





## 9151—Alcohol resistance PET ink

**Printed material:** untreated PET, PC etc.

**Printed product:** soft PET film, PET, PC film switch, nameplate, signage etc.

**Ink Features:** Excellent adhesion, flexibility and scratch resistance to untreated PET products, it also has good resistance to alcohol and very good coverage.



### NOTES:

1. When using this product for printing, it should be fully stirred before use, and it cannot be mixed with other types of ink.
2. Please note that the alcohol resistance of printed products may vary due to different substrates. Please do test before mass production.
3. Be sure to wait until the ink is completely dry before packaging, so as to avoid scratch due to the ink is not completely dry.

## 9107—PET Halogen-free flat Screen Printing, Pad Printing Ink

**Printed material:** PET laminates, PA nylon, coating, PBT flame retardant nylon, ABS, metal, etc.

**Ink Features:** The ink is flat, the ink layer is soft, the hiding power is strong, and it has a certain alcohol resistance and gasoline resistance. Add C2 hardener can improve performance.

**Matched solvent:** S-6, S-9 thinner.

**Drying conditions:** Bake at 60-80 degrees for 30 minutes or dry for 24 hours.



### NOTES:

1. In order to improve the performance of the ink, please use it up within 6 hours after adding the hardener. Otherwise, the performance of the ink may be affected.
2. After adding hardener, the applicability of the ink can be improved, but not all materials must have good adhesion, please do test before printing.

## 9183—PP, PE screen printing, pad printing ink

**Printed material:** untreated PP, polypropylene, treated and untreated OPP, BOPP, PP sheets etc.

**Printed products:** all kinds of stationery, all kinds of packaging bottles and cans (shampoo, cosmetic packaging), battery, etc.

**Ink features:** Alcohol resistance, gasoline resistance, bright gloss, strong adhesion, good scratch resistance, Moderate drying speed, resistant to boiled, hot oil, and naphtha resistance.

**Matched solvent:** S-4 thinner

**Drying conditions:** dry for 24 hours or bake at 70°C for 30 minutes



### NOTES:

1. When using this product for printing, due to the surface tension of PP and PE materials is big, please do a test before printing. For PE material, there may be poor adhesion, then you can add 2%-5% PP adhesion promoter for printing test.
2. For materials with low surface tension, it can wipe PP solvent or do flame treatment before printing, it can improve adhesion.



## 9183PA—PP five-step test screen printing ink

**Printed material:** treated and untreated hard PP (polypropylene), PE (polyethylene) and similar materials.

**Printed products:** various PP, PE daily necessities, stationery, fitness equipment, various packaging bottles (shampoo, cosmetic packaging), batteries, etc.

**Matched solvent:** S-6, S-8, S-9 thinner

**Drying conditions:** Self-drying or baking at 70 degrees for 30 minutes



**Ink features:** Meet the five-step test requirements

1. Rub it 1000 times with a rubber load of 500g, and there is no abnormality;
2. Weather resistance test, placed in the artificial sunlight climate simulator for 700 hours, no abnormality;
3. Rub 1000 times with 99% alcohol load 500g, no abnormality;
4. Rub 500 times with naphtha load 500g, no abnormality;
5. Rub 200 times with a gasoline load of 500g, no abnormality;
6. Wipe the silk screen pattern with 1500C peanut oil for 50 times, no abnormality;
7. Wipe the silk screen pattern 50 times with detergent, no abnormality;
8. Spread PP printing product with butter for 12 hours, no abnormality.



## 91801 - soft OPP, PP screen printing pad printing ink

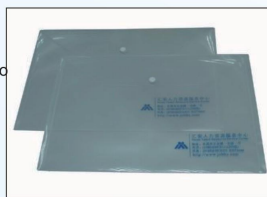
**Printed material:** soft OPP, PP etc.

**Printed products:** supermarket plastic bags, packaging bags, PP document bags, etc.

**Ink Features:** Excellent adhesion, flexibility and scratch resistance to untreated OPP and PP materials. it also has good resistance to alcohol and good coverage.

### NOTES:

1. When using this product for printing, it should be fully stirred before use, and it cannot be mixed with other types of ink.
2. Please note that the alcohol resistance of printed products may vary due to different substrates. Please do test before mass production.
3. Be sure to wait until the ink is completely dry before packaging, so as to avoid the scratch due the ink is not completely dry.



## 9183PF series PP, PE screen printing ink

**Printed material:** PP (polypropylene), PE (polyethylene) and similar materials.

**Printed product:** All kinds of stationery, all kinds of packaging bottles and cans (shampoo, cosmetics packaging), battery, etc.

**Ink features:** The surface of the printed products is smooth and flat, it has good adhesion to PP and PE materials. good printing adaptability, high wear resistance.

**Matched solvent:** S-6, S-8, S-9 thinner

**Drying conditions:** Self-drying or baking at 70 degrees for 30 minutes

### NOTES:

1. When using this product for printing, due to the high surface tension of PP and PE materials, please do test before printing. For PE materials, there may be poor adhesion. At this time, 2%-5% PP adhesion promoter can be added for printing test, depending on the effect.
2. For materials with low surface tension, the substrate can be treated with PP solvent treatment or flame treatment before printing, which can improve the adhesion of the ink.
3. The ink is a slow-response fixation ink. it needs to wait more than 24 hours after printing for testing adhesion.



## 9183ST— special ink for bright PP paint bucket

**Printed material:** treated and untreated hard PP (polypropylene), PE (polyethylene) and similar materials.

**Printed products:** various PP paint barrels, ink barrels, PP packaging bottles and cans, etc.

**Ink features:** smooth surface of printed products, high gloss, good adhesion, high wear resistance and gasoline resistance to PP and PE materials.

**Matched solvent:** S-6, S-8, S-9 thinner.

**Drying conditions:** self-drying or baking at 70 degrees for 30 minutes

### NOTES:

1. When using this product for printing, due to high surface tension of PP and PE materials, please test before printing
2. This product can be used without treatment for most PP and PE materials. But for materials with low surface tension, the substrate can be treated with PP solvent or flame treatment before printing, which can improve the adhesion of ink. Do not place it for too long after treatment, otherwise it may affect the adhesion.



## 91TPR- composite rubber ink

**Printed material:** EVA, various composite rubber, foam etc.

**Printed product:** various inflatable balls, sports shoes, running shoe materials, shared bicycle tires, etc.

**Ink features:** The temperature resistance of the ink layer is stable, the ink has good adhesion performance, and the bending performance and tensile strength can reach 3-5 times, and the yellowing resistance is good.

### NOTES:

1. Please fully stir the product before use, otherwise the color intensity and some effective additives will not be uneven.
2. Please select the appropriate screen according to the actual effect you want to print: 100-150 lines/cm.
3. When the product is stored for too long, there will be precipitation, and it can be used normally after being fully stirred.
4. According to the actual environmental conditions of the operation, rationally select fast, medium or slow thinner for mixing.





## 9165D— One-component metal self-drying ink

**Printed Materials:** metal, electroplating, stainless steel, aluminum plate, painted surface, oxidized metal, etc.

**Product examples:** metal department signs, aluminum plate square notices, signage, metal household appliances, aluminum plate, galvanized plate, etc.

**Product features:** one-component is smooth, good covering, good adhesion and test resistance, but adding a curing agent the effect will be better. Dry time is self-dried for 24 hours or baked at 80 degrees for 30 minutes.

### NOTES:

1. It is necessary to wipe the surface and do a performance test with solvent before printing. Because some of metal products has special handling on the surface.
2. The longer of the ink drying time, the better of the adhesion and the performance test is self-dried for 24 hours after printing or baked at 80 degrees for 30 minutes.
3. For products with special test requirements, it is recommended to add 10% C2 curing agent, the effect will be better, and it can also be dried naturally.



## 9191—260 degrees high temperature non-color metallic ink

**Printed Materials:** suitable for all kinds of metal aluminum, tinplate, stainless steel and other materials.

**Product examples:** various metals, aluminum plate ceilings, hardware products, metal identification plates, etc.

**Product features:** It has good adhesion on metal materials, solvent resistance, purple resistance, the weather resistance, the alcohol and abrasion resistance are also very good. Bake at 260 degrees for 30 minutes does not change color.

### NOTES:

1. Please pay attention to cleaning surface oily with alcohol or water before printing due to metal Printed Materials generally contain anti-rust oil, which will affect the adhesion of ink
2. Users should try a small amount and fully test then it can be used in mass batches, due to the complexity of the printing process, usage and materials.



## 9165A— metal self-drying screen printing ink

**Printed Materials :** metal, glass and treated PP material.

**Product example:** Aluminum plate, galvanized plate, metal nameplate, glass cup and home Electric Appliance Glass etc.

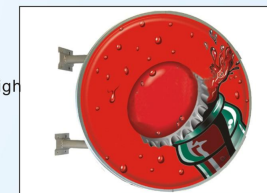
**Product features:** No need to add curing agent with high gloss, high hiding power, good adhesion

**Supporting solvent:** S-6, S-8, S-9 thinner

**Drying conditions:** Dry for 24 hours or bake for 30 minutes at 80 degrees.

### NOTES:

1. It is necessary to wipe the surface and do a performance test with solvent before printing. Because some of metal products has special handling on the surface.
2. The longer of the ink drying time, the better of the adhesion and the performance test is self-dried for 24 hours after printing or baked at 80 degrees for 30 minutes.



## 9193—one-component baking metal screen printing ink

**Printed Materials:** Suitable for metal aluminum plate, tinplate, stainless steel materials, etc.

**Product examples:** Various metal products, aluminum plate, hardware products, metal nameplates, etc.

**Product features:** bright light, good adhesion; good adhesion on metal materials, weather resistance; resistant to alcohol and other weak solvents; resistant to punching and bending.

**Supporting solvent:** S-6, S-9 thinner

**Drying conditions:** Bake at 130°-160° for 30 minutes

### NOTES:

1. The metal Printed Materials 【Tinplate, aluminum plate】 generally contains anti-rust oil, which will affect the adhesion of the ink. Please pay attention to clean and remove oil before printing.



## 9165—One-component metal self-drying, engineering nylon ink

**Printed Materials:** suitable for metal aluminum plate, tinplate, stainless steel, engineering nylon materials, etc.

**Product example:** all kinds of metal products, aluminum plate, engineering nylon, plastic nylon products.

**Product features:** one-component, alcohol-resistant, wear-resistant, low-temperature self-drying effect is good. And it has good adhesion to metal sprayed surface and powder sprayed surface.

### NOTES:

1. The metal Printed Materials generally contains anti-rust oil, which will affect the adhesion of the ink. Please pay attention to clean and remove oil before printing.
2. If you need to enhance the adhesion, you can add 10% C2 curing agent and stir evenly before use.
3. The drying conditions of this product are self-drying for 24 hours or low-temperature baking at 70-80 degrees for 20-30 minutes



## 91872— One-component oil spray surface, alloy car, Spray-paint ink

**Printed Materials:** alloy car, painted surface, oil sprayed surface.

**Product examples:** electrical casings, alloy cars, metal spray paint, oil injection related products.

**Product features:** one-component, flat, suitable for silk screen printing and pad printing which is a medium-dry solvent-based oil ink. It has good adhesion to metal sprayed surface and oil sprayed surface.

### NOTES:

1. It should be fully stirred and can't be mixed with other ink types before using this product for printing.
2. If the surface of the product is too smooth and the adhesion needs to be enhanced, 10% of C2 curing agent can be added and stirred evenly before use.
3. The drying conditions of this product are drying for 24 hours or low-temperature baking at 70-80 degrees for 20-30 minutes.



## 9133— One-component metal ink for stamping resistance and bending resistance

**Printed Materials:** suitable for all kinds of metal aluminum, tinplate, stainless steel and other materials.

**Product examples:** various metals, aluminum plate, hardware products, metal identification plates, etc.

**Product features:** good adhesion on metal materials, very good flexibility of ink, stamping resistance, bending resistance, and alcohol resistance

### NOTES:

1. Metal Printed Materials s generally contain anti-rust oil, which will affect the adhesion of ink. Please pay attention to clean and remove oil before printing before printing.
2. Due to the complexity of printing process, use and materials, users should try a small amount before batch use, and fully test to confirm that it meets the requirements before batch use.



## 9176SG—UV surface, Silk screen printing ink for electroplating

**Printed Materials:** It is suitable for high density adhesive materials such as UV coating, plastic coating and electroplating coating

**Product example:** All kinds of electronic products and small household appliances.

**Product Features:** Low temperature two-component, high gloss, alcohol resistance, good wear resistance, strong hiding power.

**Supporting solvent:** S-13 Thinner

**Drying conditions:** Bake at 80°C for 30 minutes

### NOTES:

1. Add 10% 76SG hardener agent and stir well before printing.





## 91Uv140— Dual Curing UV/LED Glass Ink

**Printed Materials:** Suitable for home appliance glass, glass, wine bottles and other products.

**Product examples:** Liquor bottles, home appliance glass, glass, crystal glass, etc.

**Product features:** One-component ink, good adhesion to glass materials, insoluble in Water, solvent scrubbing resistance, wine foam resistance, tough cured film, surface gloss tall, can be gilded. **Curing equipment:** LED curing lamp 11-16/W 395 band light source curing, the curing speed is 3-5 seconds, after UVLED curing, put it in the oven for 25 minutes at 165 degrees.



### NOTES:

1. Please use our company's S007 ink thinner and when use different inks add different dosage. Screen printing with 350 mesh or above is recommended.
2. It should be stored in a cool and ventilated place at 25 degrees, avoiding heat or light.
3. Due to the difference of materials must be pay attention to the energy of the hardener equipment to reach the hardener require or not. please make relevant test boards in advance Work.



## 91Uv187— Dual Curing UV/LED Metallic Ink

**Printed Materials:** stainless steel, metal aluminum plate, painted surface and ordinary ABS plastic.

**Product examples:** Various digital product casings, home appliance casings, metal saw blades, department cards, etc.

**Product features:** Two-component ink, need to add C2-740 or C2 curing agent, for metal it has good adhesion, insoluble in water, resistant to solvent scrubbing, and alcohol resistant fine, the cured film is tough, the surface gloss is high, and it can be bronzing. **Curing equipment:** LED curing lamp 11-16/W 395 band light source curing, the curing speed is 3-5 seconds, after the UVLED is cured, put it in the oven for 30 minutes at 100 degrees.



### NOTES:

1. Please use our company's S007 ink thinner and when use different inks add different dosage. Screen printing with 350 mesh or above is recommended.
2. It should be stored in a cool and ventilated place at 25 degrees, avoiding heat or light.
3. Due to the difference of materials must be pay attention to the energy of the hardener equipment to reach the hardener require or not. please make relevant test boards in advance Work.



## 91HAC—two-component reinforced hardening material ink

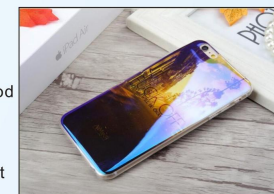
**Printed Materials:** strengthened and hardened PC, PET and PS, metal, electroplating, UV surface, etc.

**Product examples:** mobile phone tempered film, hardened sheet, screen products, UV surface lighters, etc.

**Product features:** bright light, good coverage, good adhesion, good test resistance, baking type. Halogen-free, benzene-free, and PAHS-passable.

**Supporting solvent:** S-11 special thinner.

**Drying conditions:** Add 10% HAC special curing agent and bake at 60 degrees for 1 hour.



### NOTES:

1. In order to improve the performance of the ink, please use it within 6 hours after adding the curing agent .Otherwise it may affect the performance of the ink
2. Please do first-piece test before printing after adding curing agent. it can improve the applicability of ink but not all materials will have good adhesion.



## 9128—UV transfer glue

**Printed Materials:** Mainly used for coating and transfer printing of PC, PET and other plastic sheets.

**Product examples:** CD pattern, brushed pattern, digital surface, matte surface, glossy surface, etc.

**Product Features:** Moderate viscosity, good defoaming, no bubbles, abrasion resistance, chemical resistance, good light transmission, yellowing resistance, non-stick to metal, easy demoulding , small shrinkage, high yield and the product has no deformation. **Curing equipment:** 600-800 mj/cm<sup>2</sup>, less than 10 seconds.



### NOTES:

1. The appropriate amount of UV transfer glue is coated on the surface of the grinding tool. the PET/PC sheet is covered on the grinding tool, the rubber roller will press the sheet and the grinding tool evenly and tightly (pay attention to the bubble extrusion), and then the transfer can be completed after UV complete curing.
2. Contamination of this product will affect the performance of the product or even fail, so the remaining glue cannot be returned to the original packaging.
3. Store this product in a cool and dry place, away from ultraviolet light or sunlight





## 91UVPET——PET Material UV/LED ink

**Printed Materials:** soft and hard PET materials after flame treatment  
**Product examples:** various PET cosmetic bottles, PET outer packaging boxes, etc.

**Product features:** One-component ink, it has excellent adhesion to flame-treated PET, Excellent overlapping printing and chemical resistance, good gloss, good friction performance.

**Curing equipment:** metal halide lamp 120W, 1 lamp, focus distance 10cm, transmission speed 20m/min (accumulated light intensity about 120mJ/cm<sup>2</sup>)

### NOTES:

1. Please use our company's S007 ink thinner and when use different inks add different dosage. Screen printing with 350 mesh or above is recommended.
2. When the wetting index of the material surface is low, There will be malattachment. In this case, perform flame or corona discharge. Let stand after light fixation 24 hours is even better.
3. Due to the difference of materials must be pay attention to the energy of the hardener equipment to reach the hardener require or not. please make relevant test boards in advance Work.



## 91UVK1——ABS, PET and other UV/LED inks

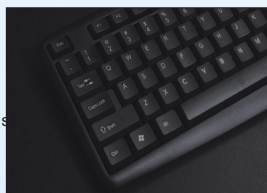
**Printed Materials:** rigid PET, processed PP, PE, rigid PVC, BOPP and other materials.

**Product examples:** PET bottles, PP placemats, PP lampshades, PP bottles, etc.

**Product Features:** On non-absorbent plastic Printed Materials s, fast photocuring and excellent adhesion Strength, gloss, abrasion resistance, chemical resistance and other comprehensive properties  
**Curing equipment:** It is recommended to use 5KW×2 or more high-pressure mercury lamps; when printing on curved surfaces, it is recommended to use With a power of 100W/cm-120W/cm medium and high pressure mercury lamps, the wavelength of ultraviolet light 200nm-400nm.

### NOTES:

1. This series is suitable for the printing of rigid plastics and bottles, but due to various requirements such as adhesion, water resistance, solvent resistance, heat resistance, cold resistance are different, please do the relevant test plate work in advance.
2. When this product is used for curved surface printing, its comprehensive effect is closely related to many factors such as ink color density, curing performance, and screen making. Please carefully test all aspects of performance before using it.



## 91103——Metallic UV/LED Ink

**Printed Materials:** stainless steel, metal aluminum plate, painted surface and ordinary ABS plastic

**Product examples:** Various digital product casings, home appliance casings, metal saw blades, department cards, etc.

**Product features:** One-component ink, excellent adhesion to metal and paint materials, good curability at low light levels, enabling high-speed printing, high light, Abrasion and alcohol resistant.

**Curing equipment:** metal halide lamp 120W, 1 lamp, focus distance 10cm, transmission speed 20m/min (accumulated light intensity about 120mJ/cm<sup>2</sup>).

### NOTES:

1. Please use our company's S007 ink thinner and when use different inks add different dosage. Screen printing with 350 mesh or above is recommended.
2. Avoid light and low oil preservation, light fixation after standing for 24 hours is better
3. Due to the difference of materials must be pay attention to the energy of the hardener equipment to reach the hardener require or not. please make relevant test boards in advance work.



## 91UVPP——PP, PE material UV/LED ink

**Printed Materials:** PP, PE, HDPE materials after flame treatment.

**Product examples:** Various plastic products, PP, PE, HDPE cosmetic bottles, shampoo bottles.

**Product features:** One-component ink, excellent for processed PP, PE, HDPE excellent adhesion, good curability under low light levels, and high-speed printing.

**Curing equipment:** metal halide lamp 120W, 1 lamp, focal distance 10cm, transmission speed 20m/min (accumulated light intensity about 120mJ/cm<sup>2</sup>)

### NOTES:

1. Please use our company's S007 ink thinner and when use different inks add different dosage. Screen printing with 350 mesh or above is recommended.
2. Keep away from light and low oil, and it will be better to let it stand for 24 hours after light curing.
3. This series is suitable for flame-treated PP, PE, HDPE and other materials, which has differences in various of requirement adhesion, water resistance, solvent resistance and heat resistance and cold resistance, please make relevant before use test board works.





## Marabin Ink Technical Guide

### Color card

			
9001 Black	9002 White	9003 Tr Pa Ink	9021 M.Yellow
			
9023 Yellow	9026 Lemon Yellow	9030 Rose Red	9032 Red
			
9033 Bright Red	9035 Orange	9038 Pink Red	9041 Violet
			
9043 Cyanine Blue	9044 Reflex Blue	9046 Light Blue	9048 Blue
			
9061 Green	9062 Grass Green	Gr1000 Red Gold	Gb1000 Bright Gold
			
9004 Magenta	9005 Yellow	9006 Cyan	9007 Black
			
9024 White Silver	9025 White Silver	9027 Fine Silver	9028 Lens Silver
			
9029 P.White	9022 F.Blue	9131 F.Yellow	9133 F.Red
			
9140 F.Green	9141 F.Pink	9142 F.Violet	9008 T.Red
			
9009 T.Yellow	9010 T.Blue	9011 T.Violet	9012 T.Green

Note: The above is a scanned color card with an accuracy of approximately 90%.

Product	Item No.	Usage and Features	Cure condition	Thinner	备注
	91SSP	Material: soft polyvinyl chloride (PVC), PVC self-adhesive, PVC artificial leather, PVC plastic, paper Features: high toughness, glossy, overlapping resistance, economical	80°CX30mins Self dryX24H	783/S-6	
	91SS	Material: Soft polyvinyl chloride (PVC), PVC self-adhesive, PVC artificial leather, PVC plastic, paper, etc. Features: high toughness, bright, overlapping resistance, economical	80°CX30mins Self dryX24H	783/S-6	
	91S	Material: soft polyvinyl chloride (PVC), PVC self-adhesive, PVC artificial leather, PVC plastic, paper, etc. Features: high toughness, matte, anti-overlap, economica	80°CX30mins Self dryX24H	783/S-6	
PS Ink	9175	Material: ABS, PC, PS lens, PET, plastic material. Features: high gloss, alcohol resistance, non-corrosive substrate	80°CX30mins Self dryX24H	S-7	
	9196L	Material: ABS, PC, PS, HIPSPVC plastic signs. Features: High glossy, good leveling performance, no corrosion to the substrate	80°CX30mins Self dryX24H	S-7	
	9196	Material: ABS, PC, PS, HIPSPVC plastic signs. Features: Flat glossy, good leveling performance, no corrosion to the substrate	80°CX30mins Self dryX24H	S-7	
ABS Ink	9116	Material: ABS, PC, HIPS, PS, PMMA, PVC plastic signs, some painted surface roll-to-roll PC and other industries. Features: large area printing, alcohol resistance, good wear resistance.	80°CX30mins Self dryX24H	783/S-6	
	9180	Material: ABS, PC, PS, PMMA, PVC plastic signs, painted surfaces, toys and other industries Features: very slow drying, alcohol resistance, good wear resistance; flat light, excellent printability	80°CX30mins Self dryX24H	783/S-6	
	9181	Material: ABS, PC, PS, PVC plastic signs, painted surfaces, silk screen printing, pad printing, toys and other industries, characteristics: medium and slow drying, alcohol resistance, good wear resistance; flat gloss, excellent printability	80°CX30mins Self dryX24H	783/S-6	
	9186	Material: ABS, PC, PS, PMMA and other materials, paint surface, toy and other industries screen printing, pad printing, characteristics: environmental protection PAHS, bright color, high alcohol resistance	80°CX30mins Self dryX24H	783/S-6	
	9188	Material: ABS, PC, PS, PVC plastic signs, painted surfaces, screen printing and pad printing in toys and other industries. Features: alcohol resistance, good abrasion resistance; flat light, excellent printability; high hiding power, (no discoloration on black substrate), suitable printing materials include: acrylic, ABS, PC, PVC, PS soft and hard materials, etc.	80°CX30mins Self dryX24H	783/S-6	
	91924	Material: ABS, PC, PS, HIPS, PMMA and other materials High-performance one-component ink, strong adhesion, special wear resistance, alcohol resistance, gasoline resistance, white electric oil resistance, strong weather resistance, good leveling Features: special Alcohol resistance can reach more than 2000 times	80°CX30mins Self dryX24H	783/S-6	
Battery Ink	9163	Material: Mainly for battery shell materials, can be screen printing and pad printing, two-component plus C2-5 hardener. Features: Excellent adhesion, excellent scratch resistance, good flexibility, can withstand alcohol for more than 60 times, bake at 60 degrees for one minute, and test after cooling for 2 minutes	60°CX60Sec	783/S-6	
Wood Ink	9137	Material: all kinds of wooden products, wooden spray paint products, etc. Features: flat, excellent printability	80°CX30mins Self dryX24H	783/S-6	
Reminder: The above information is for reference only, please conduct an adaptability test before use for specific performance!					

## Marabin Ink Technical Guide

Product	Item No.	Usage and Features	Cure condition	Thinner	
Nylon Ink	91SNC	Material: waterproof nylon cloth, no waterproof cloth, luggage cloth, oxford cloth, bright light, characteristics: excellent softness, good adhesion to ordinary luggage cloth and waterproof nylon cloth, special hardener can be added when the adhesion is not good.	80°CX30mins Self dryX24H	783/S-6	
	91SNCX	Material: waterproof nylon cloth, no waterproof cloth, luggage cloth, oxford cloth, nylon plastic matte, characteristics: excellent flexibility, good adhesion to ordinary luggage cloth and waterproof nylon cloth, special hardener can be added when the adhesion is not good agent	80°CX30mins Self dryX24H	783/S-6	
	91SND	Material: high-strength waterproof nylon cloth, non-waterproof cloth, PU leather, luggage cloth, oxford cloth, nylon plastic; Features: high glossy, excellent softness, good adhesion to high-strength waterproof treated waterproof nylon cloth	80°CX30mins Self dryX24H	783/S-6	
PP Ink	9183PF	Material: PP, OPP, BOPP, PP synthetic paper, PP foam board, KT board, YUPO paper, pearl paper, treated PE, PET, etc. Features: Excellent adhesion, excellent scratch resistance, flexibility Good, soft PP sheet PP material	80°CX30mins Self dryX24H	783/S-6	
	9183PA	Material: treated hard PP, treated PE. Characteristics: good resistance (five-step test), resistant PP ink		783/S-6	
	9183ST	Material: hard PP paint bucket PP material Features: high glossy	80°CX30mins Self dryX24H	783/S-6	
	9183PH	Material: Rigid PP materia. Features: Trial used for printing milk bottles, boiling resistance in line with national PAHS testing	80°CX30mins Self dryX24H	783/S-6	
	9179	Material: Treatment-free PP, polypropylene material, POM, including treated and untreated OPP, BOPP, PP stationery, small appliances, painted surfaces, metal. Features: Alcohol, gasoline, strong adhesion, good scratch resistance, hot oil, anti-white electric oil	80°CX30mins Self dryX24H	783/S-6	
	9183	Material: Treatment-free PP, polypropylene material, POM, including treated and untreated OPP, BOPP, PP stationery, small electrical appliances. Features: Alcohol, strong adhesion	80°CX30mins Self dryX24H	783/S-6	
PET Ink	9195	Material: PET sheet, PET self-adhesive label, membrane switch flexibility, scratch resistance, signage, inscription halogen. Features: alcohol resistance	80°CX30mins Self dryX24H	783/S-6	
	9151	Material: thin PET film, roll-to-roll PET, membrane switch flexibility, scratch resistance, signage, nameplate, suitable for a variety of PET materials Features: flat, good wear resistance, excellent printability	80°CX30mins Self dryX24H	783/S-6	
Metal Ink	9165	Material: metal, iron, copper, aluminum, stainless steel, one-component, ABS, PC, treated PP, painted and baked finish. Features: alcohol resistance, metal self-drying	80°CX30mins Self dryX24H	783/S-6	
	9165A	Material: metal, iron, copper, aluminum, stainless steel, one-component, ABS, PC, treated PP, painted and baked finish. Features: alcohol resistance, metal self-drying	80°CX30mins Self dryX24H	783/S-6	
	9165D	Material: metal, aluminum plate, painted surface, powder sprayed surface, one component, adding hardener for better baking effect Features: Flat, excellent adhesion, excellent scratch resistance, 3M 100 grid test OK, alcohol test 30-50 times	80°CX30mins Self dryX24H	783/S-6	
	9165E	Material: metal, aluminum plate, quinoline paint surface, quinoline powder surface, single component, adding curing agent for better baking effect Features: bright light, excellent adhesion, excellent scratch resistance, 3M 100 grid test OK, alcohol test 30-50 times	80°CX30mins Self dryX24H	783/S-6	
	9193	Material: One-component baking type, alcohol-resistant, wear-resistant, suitable for tinplate, aluminum plate printing, copper, aluminum, stainless steel Features: bending resistance, stamping resistance.	180°CX30mins	783/S-6	
	9191	Material: all kinds of metal aluminum, tinplate, stainless steel, etc. Features: high temperature 260 °C does not change color	260°CX30mins	783/S-6	
	9133	Material: one-component baking type, alcohol-resistant, wear-resistant, suitable for tinplate, aluminum plate printing, copper, aluminum amount steel Features: bending resistance, heavy side pressure	160°CX30mins	783/S-6	
Reminder: The above information is for reference only, please conduct an adaptability test before use for specific performance!					

## Marabin Ink Technical Guide

Product	Item No.	Usage and Features	Cure condition	Thinner	
Glass Ink	91GL	Material: ITO glass panel, home appliance panel, ceramics, home appliance glass products, furniture glass part paint performance; two-component oil content, inner ketone resistance, matte, large area printing, strong setback	180°CX10	783/S-6	
	9185	Material: glass, metal, electroplating, ceramics, glass products UV surface, plastic spray surface, PMMA reinforced sheet Performance: two-component ink, glossy, versatile and multi-functional products	80°CX30mins Self dryX24H	783/S-6	
	91866	Material: mobile phone glass, mobile phone cover ink, ceramics, glass products, PMMA reinforced sheet Performance: two-component ink, glossy, matte, high opacity	180°CX1H	783/S-6	
	91130C	Material: Specially designed for PMMA reinforced sheet, PC hardened sheet, ceramics, glass products, hardened material Properties: Two-component ink, high temperature resistance, CNC process available	80°CX30mins	783/S-6	
Multifunctional Ink	9178SG	Material: metal, electroplating, ceramic, UV surface, plastic spray surface, PET, polyester paint surface, acrylic paint surface, pmma reinforcement sheet, IMD process can be done, Performance: two-component ink, alcohol resistance, flat light, wide versatility	80°CX30mins	783/S-6	
	91SGT	Material: Glass, Metal, Electroplating, Ceramic, UV Surface, Plastic Spray Surface, Polyester Baking Paint Surface, Acrylic Baking Paint Surface, PMMA Reinforcement Sheet, Excellent Temperature Resistance, Halogen Free Performance: Two-component ink, acetone resistance, resistance High temperature, wide versatility	80°CX30mins	783/S-6	
Rubber Ink	91PG	Material: nylon cloth, waterproof nylon cloth, some rubber, rubber hand spary paint surface Performance: single/two-component ink, good toughness	80°CX30mins	783/S-6	
	9199	Material: nylon cloth, waterproof nylon cloth, some rubber, rubber hand spray paint surface Performance: single/two-component ink, good toughness	80°CX30mins	783/S-6	
	91600	Material: A variety of rubber hand-painted surfaces Performance: two-component ink, good adhesion	80°CX30mins	783/S-6	
UV/LED Ink	91UVPET	Material: Untreated PET, and untreated ABS, PC, PP, etc., suitable for large-area printing, with good flexibility. Performance: common to LED/mercury lamps	LED/mercury lamps	S007	
	91UVPP	Material: processed PP, PE, and untreated ABS, PC, PS, PMMA, electronic casing, plastic electronic products PET, PS, cosmetic box material Performance: LED/mercury lamp universal, foldable	LED/mercury lamps	S007	
	91UVK1	Material: ABS, PC, PS, PMMA, electronic casing, plastic electronic products PET, processing PP, PE, PS Performance: universal for LED/mercury lamps	LED/mercury lamps	S007	
	91103	Material: metal, iron, aluminum, polyester paint surface untreated ABS, PC, PS, PET, treated PP, PE, PS Performance: universal for LED/mercury lamps	LED/mercury lamps	S007	
	91102A	Material: UV spray paint surface, polyester slag surface, mobile phone case application Performance: Universal for LED/lighting, dual curing	LED/mercury lamps	S007	
Hardened/reinforced material ink	91HAC	Material: hardened PC, PET, PS, metal, UV surface and other complex materials Performance: two-component ink, strong adhesion, good hiding power, suitable for large-area printing, good test resistance	70°CX30mins	783/S-6	
	9136	Material: hardened PC, PET, PS, metal, UV surface and other complex materials Performance: two-component ink, strong adhesion, good hiding power, suitable for large-area printing, good test resistance	70°CX30mins	783/S-6	
	9152	Material: hardened PC, PET, PS, metal, UV surface and other complex materials Performance: two-component ink, strong adhesion, good test resistance	70°CX30mins	783/S-6	
Reminder: The above information is for reference only, please conduct an adaptability test before use for specific performance!					