How to Choose Inkjet Printing Paper?

Detail Introduction :

What is Inkjet Printing Paper?

What is Color Inkjet Printing Paper

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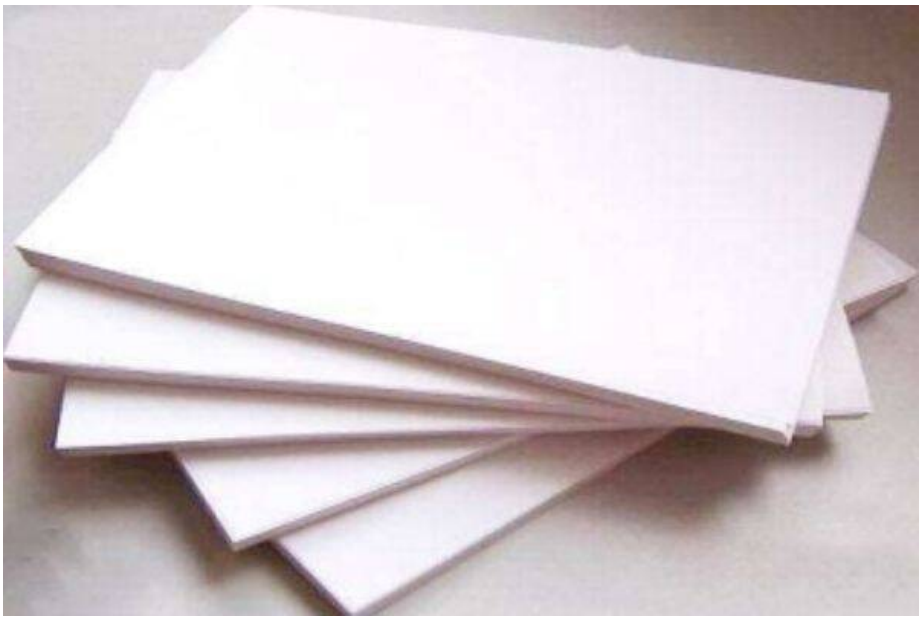
Inkjet printing paper is a receiver for ink ejected from the nozzles of an inkjet printer, and images or t
recorded on it. Its primary characteristics are fast ink absorption and non-spreading of ink droplets.
Specific requirements:
1. Good recordability, strong ink absorption, fast ink absorption speed, small diameter of ink droplets
approximate circular shape;
2. fast recording speed, that is, high density, continuous gradation, and clear picture;
3. good preservation, The picture has specific water resistance and light resistance and has specific st
and fastness indoors or outdoors;
The coating has a certain fastness and strength; the layer is not easy to scratch, has no static electrici
certain degree of slippage, bending resistance, and is resistant to stretch.

What is Color Inkjet Printing Paper

Color inkjet printing paper is a new type of recording paper. Because of its rapid development, there
uniform quality standard. Drawing lessons from typical international technical specifications, there ar
corresponding quality testing ranges and testing standards in China. The quality of color inkjet printin
produced according to this standard will not be lower than similar foreign products. Still, the market
be 20% lower than that of imported similar products. ~50%. Therefore, domestic color inkjet printing
has strong market competitiveness.
Color inkjet printing paper is very different from general paper. This is because color inkjet printing u
uses water-based ink, and available paper will quickly absorb and diffuse after receiving water-based
result is high in color and clarity.
Less than the printing requirements (using materials with poor water absorption and can not absorb
color inkjet printing paper is the product of deep processing of paper; it is the surface of ordinary prin
paper through special coating treatment so that it can absorb water-based ink and can The ink droplo
not spread to the periphery, thus thoroughly maintaining the original color and clarity. Printing paper
weighing 60 to 180 grams can meet the requirements, while ultra-thin printing paper less than 60 gra
prone to multiple feeds simultaneously.



Classification of inkjet paper

Nowadays, inkjet printing photo papers in the domestic market are divided into three categories acc
different coating methods and coating materials: swellable photo paper, cast-coated waterproof pho
and gap photo paper.

1. Swellable paper is based on polyvinyl alcohol (PVA) as the primary film-forming material. It is coate
base paper to form a swellable coating. When ink drops are sprayed on the surface of the layer, it
polymerizes. The material absorbs water and expands. Due to the limited expansion speed of the po
although the color reduction of swellable paper is sound, its drying speed is slow. Especially on the n
color piezoelectric library printer, the image has serious accumulation problems, and the sharpness i
seriously reduced. Although the production cost of swelling-type photo paper is low, it has poor ink
absorption performance, slow drying, and cannot be waterproof. After printing, it must be covered w
which has many post-processes and high costs and feels far from traditional photographs. It can only
as a low-grade product.

2. Cast-coating waterproof photo paper (Cast Coating Photo Paper), whose coating adopts micron-lev
and after special processing, the brightness and whiteness can reach the level of traditional photo pa
Although the cast-coated photo paper has a waterproof coating, because the base paper is the same
base paper, the overall waterproof performance is poor. After printing a high-saturation picture, the
paper will be deformed to a certain extent; at the same time, the fineness of the coating is not enoug
not meet the requirements of ultra-high-precision printing.

3. Interstitial photo paper, also known as microporous photo paper, is coated with nano-scale inorga
materials (particle diameter below 200 nanometers) to form extremely fine inorganic-organic compos
particles (Inorganic-organic hybrid fine particle). After the ink is printed, it is immediately absorbed b
micro-porous, similar to a honeycomb. Due to this special micro-porous structure, the coating has a s
absorption force, and it can also be used to print very dark tones. Good layering; it dries quickly and c
touched directly from the printer; the coating material is very delicate, not only has high brightness b

can match high-precision photo printing. The base paper of the gap type photo paper is the same RC
the traditional photo paper (PE coating RESIN COATING with waterproof coating on both sides of the
paper), so it is also called RC high gloss photo paper, which has good waterproof performance, even i
Soaking in water for several hours can keep it as it is.
At present, RC waterproof high-gloss photo paper is roughly divided into two categories: aluminum-b
silicon-based based on the types of nano-inorganic fillers used: aluminum-based uses γ alumina as a
inorganic filler to absorb ink and has good color reduction ability. The performance is the closest that
image quality of the current inkjet consumables is to the traditional silver salt photo, but because the
alumina used is a special alumina powder, the price is high, which greatly increases the production co
Silicon-based coatings use nano-silica to absorb ink. Compared with aluminum-based products, they
disadvantages of greater brittleness of the coating, lower color density, and poorer image weather re
However, due to its low chemical cost and good coating hardness, it has a strong market competitive
advantage in price, and with the continuous improvement of nano-silica surface modification and dis
technology, silicon-based photo paper will overcome the above shortcomings and have print color ar
weather resistance comparable to aluminum-based products. Description: Base paper without any sp
treatment; its main component is that the fiber is not waterproof. And RC glossy paper-PE resin is coa
the base of the base paper so that the ordinary paper has water resistance, and ordinary photos use
of paper base.