

Get to Know Pa Hot Melt Adhesive Film

Detail Introduction :

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PA hot melt adhesive film may not understand what it is at first glance, but if you mention its other name, you may feel more familiar.

The chemical name of PA is Polyamide (Polyamide), and PA is the abbreviation of Polyamide. If you're unfamiliar, then when it comes to this well-known name, you must know that it is "Nylon," yes! Polyamide is commonly known as "nylon." Polyamide (PA) has another well-known name in the textile field, called "nylon." Having said this, are you more familiar with PA now?

Polyamide (PA), a thermoplastic resin, can also be used as a primary raw material for hot melt adhesive film. PA hot melt adhesive film is a hot melt adhesive film product made of Polyamide as the primary raw material. Polyamide (Polyamide, PA) is a linear thermoplastic polymer containing amide group (-CONH-) repeated structural units on the main molecular chain generated from carboxylic acids and amines. The hydrogen atoms on the amide group can interact with the adherend. The hydrogen atoms on (leather or fabric) form hydrogen bonds and thus bond.

Since Polyamide generally has a high melting point, the high-temperature resistance of PA hot melt adhesive film is also excellent. Still, the operating temperature is also higher than the quality of conventional hot melt adhesive film, generally between 140°C and 160°C. In addition, the chemical corrosion resistance of PA hot melt adhesive film is also relatively prominent, so the dry cleaning resistance and water washing resistance of the PA hot melt adhesive film are rather outstanding and are often used in some solvent-resistant occasions use.

The biggest problem of PA hot melt adhesive film is its poor low-temperature resistance. It can be said that it is the product with the worst low-temperature resistance among hot melt adhesive films. If it is not melted, the PA hot-melt adhesive film tends to become brittle in a low-temperature environment, its bending resistance will become poor, and the adhesive layer will be broken under the action of external force, so the adhesive layer will lose its continuity and affect the final product. Usage characteristics.

It is also for this reason that we generally do not recommend ordinary PA hot-melt adhesive films to be used for flexible bonding materials, especially flexible materials that need to be used in low-temperature environments and are not suitable for bonding with ordinary PA hot-melt adhesive films.

In terms of application fields, PA hot-melt adhesive films are usually suitable for bonding leather, fabrics, plastics, metals and other materials and have good dry cleaning and water washing performance. So,

have these requirements for materials, you can try to use PA hot melt adhesive film.

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