

What Kind of Hot Melt Adhesive Film is Better for Bonding Non-woven Fabrics?

Detail Introduction :

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Nonwoven fabrics, also known as nonwoven fabrics, are roughly divided into polyester (polyester) nonwoven fabrics, nylon (PA) nonwoven fabrics, polypropylene (PP) nonwoven fabrics, and polyurethane (PU) nonwoven fabrics according to their components. . Depending on the material, the types of hot-melt adhesive film and hot-melt mesh film suitable for nonwoven fabrics are also different. Due to its relatively low strength, nonwoven fabrics do not need to achieve high bonding strength. Shirong hot melt adhesive film or hot melt mesh film can quickly meet the requirements of material breakage.

PES hot melt adhesive film and hot melt adhesive mesh film are generally used to bond polyester (polyester) nonwovens. Polyester is the main component of PES film and mesh and compared with other components of hot melt adhesive film and mesh; it has good adhesive strength to polyester chemical fibre materials. Moreover, the PES hot melt adhesive film and hot melt adhesive mesh film have excellent washing resistance and can be washed multiple times without opening the glue.

Bonding nylon (PA) nonwoven fabrics generally use PA hot melt adhesive film or omentum. The main component of PA hot-melt adhesive is polyamide, which is actually a nylon material, so it has good viscosity when bonding nylon nonwoven fabrics. The biggest feature of PA hot-melt adhesive is good dry cleaning resistance and very good chemical stability.

The bonding of polypropylene (PP) nonwoven fabrics will use EVA hot melt adhesive film or mesh film because compared with other components of hot melt adhesive, EVA hot melt adhesive film has a wider range of bonding, and the melting point is relatively low. EVA is called ethylene-vinyl acetate copolymer, which is a kind of polymer material with certain elasticity and soft hand.

Polyurethane (PU) nonwoven fabric is a special nonwoven fabric because of its elasticity. For bonding elastic nonwoven fabrics, elastic TPU hot melt adhesive film or mesh film can be used. In essence, TPU film and omentum are also a kind of polyurethane material. According to similar compatibility rules, they have good adhesion to polyurethane nonwoven fabrics. At the same time, TPU hot melt adhesive film or mesh film has excellent washing resistance.

Nowadays, there are more and more applications of nonwoven fabrics, and the amount of nonwoven fabrics is also increasing. For example, curtains, wall coverings, packaging bags, etc., will use nonwoven fabrics as raw materials. For more questions about nonwoven bonding, you can also directly consult us.

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