

# Brief Introduction of Pes Hot Melt Adhesive Film Products

Detail Introduction :

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PES hot melt adhesive film, also known as polyester hot melt adhesive film, is a more common desirable adhesive film product classification. PES hot melt adhesive film is a hot melt adhesive film product made with polyester as the primary raw material.

Polyester (PES) is a general term for polymers containing ester groups ( $-\text{COO}-$ ) in the main chain, which can be divided into two categories: unsaturated polyesters and thermoplastic polyesters. When polyester is used as the matrix of hot melt adhesive, thermoplastic polyester, that is, linear saturated polyester should be selected as the raw material of hot melt adhesive matrix, which is usually formed by polycondensation of dibasic carboxylic acid and dihydric alcohol or alkyd.

PES hot-melt adhesive films are generally milky white or transparent and are usually produced by a casting method, so products with release paper are more common. PES hot melt adhesive film usually has better washing resistance but is not as good as TPU hot melt adhesive film. The high-temperature resistance and low-temperature resistance of PES hot melt adhesive film are not bad, but they are not outstanding. The recommended temperature is usually between  $110^{\circ}\text{C}$  and  $160^{\circ}\text{C}$ , depending on the formula composition of the specific product model.

PES hot melt adhesive film has a good bonding effect on a variety of materials, such as metal, ceramic, wood, plastic, leather, rubber, etc., and has a satisfactory adhesion. It is widely used in clothing, electrical appliances, electronics, etc., shoemaking, construction and other industries.

In the field of clothing, PES hot-melt adhesive film will be used to paste embroidered trademarks; in the electronic field, PES hot-melt adhesive film will be used to bond polyester foam and conductive cloth; in the construction field, PES hot-melt adhesive film is usually used to bond composite boards; in the electrical field, PES hot melt adhesive film can be used to bond the metal pipes of refrigerator condenser evaporator. These are some application scenarios that we are contacting and promoting. Of course, there are more applications that are not listed one by one.

In short, PES hot-melt adhesive film is a hot-melt adhesive film product with a wide range of bonding applications, especially for the bonding of metal materials; PES hot-melt adhesive film is compared with conventional hot-melt adhesive film or TPU hot-melt adhesive film. Adhesive film has obvious advantages. If you have

material bonding problems that cannot be solved, or the strength of EVA hot melt adhesive film cannot meet the requirements, you may try PES hot melt adhesive film.

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