

Introduction of Low-Temperature Resistant Hot Melt Adhesive Film

Detail Introduction :

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Low temperature resistant hot melt adhesive film refers to a hot melt adhesive film product that can withstand ultra-low temperatures. This type of hot melt adhesive film can still maintain the toughness of the adhesive layer at shallow temperatures, even at minus 40 °C. The adhesive layer will become hard and brittle. For example, PA hot-melt adhesive films often cause the adhesive layer to become brittle due to low temperature, leading to a decrease in bonding strength, resulting in failure of bonding or product failure.

Which hot melt adhesive film has good low-temperature resistance?

The PA hot-melt adhesive film mentioned above is a sticky film with the worst low-temperature resistance. If it is not modified, the conventional PA hot-melt adhesive film will become brittle when the temperature is below 0 °C. If the brittle hot melt adhesive film is applied to a place with soft material, especially in clothing fabrics, there is often a risk of breaking, which will cause the product to lose its performance. Among the types of hot melt adhesive films we commonly use, the low-temperature resistance of EVA hot melt adhesive films is relatively high, but the best ones are TPU hot melt adhesive films. TPU hot melt adhesive films are usually resistant to low temperatures of minus tens of degrees.

Where are low temperature resistant hot melt adhesive films usually used?

There are many application requirements for low temperature resistant hot melt adhesive film in clothing. Especially for some outdoor sports clothing, there is often more demand for low-temperature resistant hot melt adhesive films. Because outdoor hot melt adhesive films generally need to have both low-temperature resistance, waterproof, soft and other properties, TPU hot melt adhesive films that are both low temperature resistant and waterproof often become the most concerned products in such applications. This is also the main reason why the clothing field is not in love with TPU hot melt adhesive film.

There are so many introductions about low-temperature-resistant hot melt adhesive film. If you have any questions about hot melt adhesive film products and their applications, you can pay attention and contact us. Constant-setting hot melt adhesive film has many years of industry experience in the field of hot melt adhesive film; I believe we can help you.

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