What are the usual requirements for the performance of hot melt adhesive films for textile lamination?

Detail Introduction :

In the industry where hot melt films are used, it can be said that the most used is the lamination of textiles. This is because textiles, like hot melt adhesive films, are generally produced in rolls. This makes laminating operations very convenient, allowing for continuous production, rapid lamination of large areas, and extremely efficient lamination production.

As we know, materials development often seeks to balance performance and cost, so hot melt adhesive film is a product of bonding materials. The developer must have certain requirements for its performance.

1. Bonding strength

As a material compound, the bonding strength requirement is the most basic, and the textile compound also has a certain bonding strength requirement. However, because textiles are generally not used as structures, the requirements for bonding strength are not particularly high, and there are generally only certain requirements for peeling force. So, in addition to the bond strength requirements, what are the special performance requirements for textile lamination?

2. Water washing resistance

Textiles, in general, need to be washed, especially when it comes to the field of clothing. Washing is almost inevitable. So, this is after the need for hot melt adhesive film with repeated washing

resistance, and even in some cases, high-temperature washing resistance. It is only after the hot melt adhesive film is laminated that the material will not open after repeated washing or even repeated high-temperature washing that the product will be qualified.

3. Softness

Textile lamination, in many cases, has a certain demand for the softness of the laminated fabric, which requires the hot melt adhesive film itself to have a certain degree of softness to ensure the comfort of the material in contact with the human body. This requires that, on the one hand, the hot melt film product chosen should not be too thick, and on the other hand, the plastic feeling of the film material should not be too strong.

4. Breathability

Breathability is one of the more common requirements for hot melt films in the textile lamination process. Breathability is also a performance related to wearing comfort, which requires the hot melt film to be as thin as possible while ensuring bonding strength.

5. High resilience

When laminating some high-elasticity fabrics, there is a demand for the elasticity of the hot melt adhesive film, so it is necessary to use hot melt adhesive film products with high resilience to ensure the elasticity of the fabric itself is not affected after lamination. This kind of adhesive is in great demand in some lingerie manufacturing fields.

If you want to know more about hot melt adhesive film, you can pay attention to Hengning hot melt adhesive film or consult us directly.

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