

What Problems Should Pay Attention to When Choosing Hot Melt Adhesive Film Bonding Material

Detail Introduction :

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There are many types of hot melt adhesive films. Choosing a suitable hot melt adhesive film according to different thicknesses and melting points is essential. So, what are the methods and precautions for choosing a hot melt adhesive film?

When choosing a hot melt adhesive film, what materials do you need to consider first? Because the properties of the hot melt adhesive film is different, the bonding strength to other materials is extra. There is no hot melt adhesive film of any material with high bonding strength to all materials. For example, TPU hot-melt adhesive films have very high bond fastness to textile fabrics but have almost no bond strength to PE plastics. Second, you need to consider the maximum heat-resistance temperature of the material you are bonding. For example, if the maximum temperature resistance of the material cannot exceed 150°C, a hot melt adhesive film product with a melting point below 150°C must be selected. Because the processing temperature cannot reach the melting point of the adhesive, the adhesive cannot be melted, and the bonding effect cannot be achieved. And if the temperature exceeds 150°C, the properties of the material to be bonded will also be affected.

In addition, many performance aspects need to be considered. For example, the effect of softness and touch feel should be considered; use in high or low-temperature environments should be considered; water washing issues; dry cleaning issues; and continuous tensile properties; if necessary. Considering the above-mentioned properties, it is necessary to make the hot melt adhesive film have the certain above-mentioned properties.

When there are a variety of film performance standards to choose from, choose the most cost-effective one. If the film can meet your bonding requirements, choose the thinnest film (the thinner the film, the lower the price).

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