

Types of Hot Melt Adhesive Films Used for Polyimide Film PI Film Bonding

Detail Introduction :

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Anyone who knows PI film knows that PI film is also called polyimide film. Its main component is polyimide, which is a high temperature resistant and highly stable film. Polyimide films are widely used in electronics and are usually brown or black. Anyone who has a thorough understanding of hot melt adhesive films will consider using hot melt adhesive films as PI films.

What types of hot melt adhesive films are used for polyimide film PI film?

The hot melt adhesive films used for PI film bonding mainly include PA and PES. Because the hot melt adhesive films of PA and PES have some common characteristics to the polyimide PI film, the adhesive is very powerful, and the effect is perfect when bonding. Let's analyze it in detail.

The main component of polyamide hot-melt adhesive film is copolyamide, which has a specific typical relationship with a polyimide film. Therefore, when polyamide hot-melt adhesive film is used to bond polyimide film, its viscosity is very high. Good, and the melting point of polyamide hot-melt adhesive is very high, generally, 115~130 °C, which belongs to high-temperature type—characteristics of polyamide applications.

The main component of polyester hot melt adhesive film is copolyester, which has better viscosity than polyamide film. The biggest feature of polyester hot melt adhesive film is that it has excellent washing resistance. When it encounters water, it can still maintain good adhesion and viscosity, and the cost is relatively low, but its adhesion performance is slightly worse than that of polyamide hot melt adhesive film.

Whether polyamide hot-melt film or PES hot-melt film is used to bond PI film, they are all environmentally friendly adhesives, which are solid at room temperature, and only have adhesion after being heated to a certain temperature and melted into a fluid state. , Due to these two characteristics, it can be conveniently stored and transported at room temperature, the operation process is simple, and the processing speed is fast, which greatly improves the efficiency of the bonding compound system.

In general, there are two types of hot-melt adhesive films suitable for the hot-melt adhesive film for polyimide film PI, PA and PES. In addition, hot-melt adhesive film for polyimide film PI has great advantages. It can achieve the purpose of reducing cost, improving work efficiency and bonding effect, so more and more people will choose to use hot melt adhesive film to composite polyimide film PI film.

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