## What Should I Do if the Material Warps and Detach After the Hot Melt Adhesive Film is Hot Pressed?

## Detail Introduction :

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## What Should I Do if the Material Warps and Detaches After the Hot Adhesive Film is Hot Pressed?

Hot melt adhesive films usually prevent composite bonding of flexible materials such as fabrics, leath aluminum foils. Still, as the material industry gradually accepts hot melt adhesive films, more and mo material developers have begun to recognize and use heat—melt film products. For example, in som traditional flexible material composite bonding, people will also try to use hot melt adhesive film products.

There is usually a problem when bonding non-flexible materials; thermal stress is often released duri pressing, resulting in a deformation phenomenon after the pressure is released. What effect will this deformation have on the bonding of the hot melt adhesive film? Let's talk about it.

The hot pressing process of traditional thermosetting adhesives and hot melt adhesive films is different Thermosetting adhesives are cured when they are hot-pressed. Curing means that the glue in the lique turns into a solid-state through a chemical reaction. Moreover, the curing of thermosetting adhesives irreversible, and the adhesives that become solid will not become liquid again, so a permanent bond formed between the adhered materials.

But the hot melt adhesive film is different. The hot melt adhesive film melts the glue when heated an hardens the glue after cooling, thus forming a firm bond between the adhesive layer and the adhere we hot-press flexible materials, there is no release of thermal stress, and the adhesive layer between adherents can slowly harden without degumming.

When we hot-press non-flexible materials, due to the thermal stress of the material itself, the hot-me adhesive film melts into a liquid state under heating, and when the pressure is removed, the glue liqu no time to harden into a solid-state. Therefore, a good bond is not formed between the adhered mat but the thermal stress of the material itself needs to be released. At this time, the adhered material is and deformed so that the adhesive layer is detached.

So, can this problem be solved? How should this problem be solved?

We only need to add a process to the process, that is, add a cold-pressing process after the material i pressed. Because only after cold pressing, after the glue of the hot melt adhesive film is completely h and a firm bond is formed between the materials, there is no need to fear that the adhesive layer wil apart due to the release of thermal stress.

When the hot melt adhesive film is used to bond non-flexible materials and flexible materials, we nee attention to this difference. Do you understand?

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