What is the difference between softening point and melting point of hot melt adhesive film?

Detail Introduction :

The technical parameter of hot melt adhesive film is a relatively professional issue. Therefore, many users material developers are not clear about the difference between the softening and melting points. Many pe not able to distinguish the difference between these two concepts. Today, we will talk about the difference these two concepts.

First, it should be clear that the softening point is not the melting point. These are two different concepts.

First of all, the melting point is a parameter that we have heard a lot. The melting point is the critical tempe when a solid substance is transformed into a liquid. The physical phenomenon of melting of a solid occurs temperature point. The concept of melting point is for crystalline substances. There is no such thing as a p crystalline substance for hot melt film products. Therefore, the melting point does not exist in the true sens word, but rather the melting process is used to describe the melting process. It is a temperature range fro point at which the hot melt film starts to melt to when it all melts, but the melting range itself is not very acc

So what is the softening point? It is more scientific for amorphous substances to use the parameter softeni for description. It is the temperature at which an amorphous polymer begins to soften, and softening is an intermediate state in transforming an amorphous substance from a solid to a liquid. Hot melt films are esse polymers, so they are better described by the softening point. The Vicat and Universal methods more com test the softening point. If you want to understand it, you can do it by yourself.

So, material developers and hot melt film users, the next time you are comparing different types of hot mel products, be careful to distinguish between these two different parameters to avoid confusion. If the hot m parameters are misunderstood, it will be an unnecessary obstacle to the correct selection.

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