



Considerations to Make When Choosing the Right Film Adhesive



Film adhesives are versatile, flexible adhesives that can be used in a range of markets such as aerospace, automotive and assembly. Below are considerations to make when choosing the right film adhesive.

Film Thickness

The film manufacturing process has the ability to make a range of film thicknesses.

The ideal film thickness will depend on the desired substrates, processing conditions and film type for an application.



Flame Retardancy

Films are an excellent way to impart additional flame retardancy into a layered system. Both the film thickness and width can be varied to meet custom needs.



Carrier

Another factor to consider is the carrier used to supply the adhesive. Depending on the way the adhesive will be processed with the carrier, one type of film construction may be more desirable than another.



Construction Forms

Film adhesives can be thermoset, thermoplastic or pressure sensitive. If you need a film that can resist higher temperatures, then consider a thermoset. A thermoplastic is ideal if a reversible bond is needed. Additionally, a pressure sensitive film can be formulated to enhance end use performance.



Performance Characteristics

Each film adhesive offers unique performance characteristics and serves a different use. It's critical to first understand an application's processing and mechanical needs and how the film will perform with it prior to making your film selection.



Temperature Sensitivity

Consider the temperature sensitivity of the substrates bonding together when selecting a film adhesive. Bostik offers films with a range of melting and curing options to fit a variety of substrates.

