Hot Melt Glue Film Types

Detail Introduction :

The first hotmelt composition was based on ethylene vinyl alcohol, a thermoplastic polymer that can be repeatedly heated. The material bonds well to paper and fabric and exhibits excellent heat and cold resistance. Hot Melt Glue Films can be cut instantly after they have been applied and feature double-sided adhesive. To determine which type of hot melt glue film is best for your project, read the following article.

TPU Hot Melt Adhesive Film

The TPU Hot Melt Adhesive Fabric is a high-quality polyurethane film with excellent elasticity, water resistance, transparency, and excellent bonding and viscosity. This film has wide applications in sports and electronics. Its special formula enhances elasticity and helps to maintain fluid body contour. It is also odor-free. Its high elasticity is useful for the fabrication of functional clothing.

TPU Hot Melt Adhesive Fabric is made of thermoplastic polyurethane, a thermoplastic polymer that has a low melting point and a high melting point. It bonds with the bonding material instantly and is free from any water or solvents. The film has an exceptional bonding strength and virtually no curing time. TPU Hot Melt Adhesive Fabric can be used on a wide variety of surfaces, including textiles, plastics, and more.

TPU Hot Melt Adhesive Fabric can be used on textiles, and is a durable alternative to traditional adhesives. It can be cut to fit specific shapes and sizes. It is easy to apply, and it doesn't require a solvent, making it environmentally friendly. TPU Hot Melt Adhesive Film is suitable for textile lamination and waterproof coating, as well as seam tape, toe puff, and more.

Low-temperature TPU Hot Melt Adhesive Fabric is a thermoplastic double-sided adhesive film. Its melting point is below 80 degrees, unlike the medium-temperature TPU Hot Melt Adhesive Film, which melts at 120 degrees. It protects leather materials better than its counterparts against heat damage. It has been widely used in the manufacturing of clothing, footwear, household building materials, and many everyday necessities. It has also passed the RoHS 2.0 test from the SGS.

Despite the advantages of TPU Hot Melt Adhesive, it has its limitations. Depending on the substrate, temperature, UV resistance, and chemical resistance, hot melts can vary in performance. It is advisable to choose the right one for the application at hand. In addition to its versatility, TPU Hot Melt Adhesive Film offers long-term cost savings and a wide variety of applications.

EVA Hot Melt Adhesive Film

An ethylene-vinyl acetate (EVA) hot melt adhesive film has an effective adhesion force between a pair of ethylene-vinyl acetate copolymer foams. The hot melt adhesive film has a layer 11 composed of a thermoplastic polyolefin, rubber, and a tackifier or auxiliary. This film enables EVA foams A and B to be joined together in various applications.

EVA Hot Melt Adhesive film is a thermoplastic adhesive that can be reheated and plasticized. It performs excellent adhesion on textiles, fabric, and paper. Its low temperature allows it to bond quickly and easily without leaving a trace of glue behind. The film is particularly useful when laminated in tight spaces. It can also be used in toy applications.

EVA hot melt adhesives vary in their properties depending on the formulation. Most types of EVA hot melt adhesives are capable of adhesion, bonding, and function at a wide range of temperatures. The most common formulation contains 19% to 28% VA and a melt index (MI) ranging from three to two thousand. The more VA, the higher the transparency, polarity, and wettability to substrates.

EVA Hot Melt Adhesive films offer a range of benefits that make them a smart choice for a variety of applications. Compared to less sophisticated adhesives, hot melts are easy to use and offer consistent performance. They also feature a high-quality coating and long-term shelf life. The adhesives are also highly versatile and cost-effective. Despite these advantages, hot melts are not the only choice for high-volume production.

Hot Melt Adhesive Film

Double Sided Hot Melt Adhesive Film features excellent oil and washing resistance. Its superior bonding ability makes it ideal for use with lining lamination machines.Hot Melt Adhesive Film is widely used for bonding cloth linings and labels. It is also available in different colors. It has been approved by SGS RoHS 2.0. It can bond many materials and has excellent washing resistance.

The bonding conditions for Hot Melt Adhesive film depend on the material to be bonded. Suitable construction conditions are required to achieve optimum bonding. The product's development direction includes clothing, footwear, handbags, luggage, embroidery, and adhesive crafts. It is also available for air express shipping. Its cost-effectiveness can help you make better business decisions. It is highly recommended that you contact a plastic poly company for the appropriate product for your needs.

Its backer paper is not required, making it an environmentally-friendly alternative to solvent-based adhesives. It does not emit any odor and is safe for humans. Hot melt adhesive fabric bonds instantly after activation by heat. Because PES Hot Melt Adhesive Film contains no water, it does not need a long curing time. This means that you can cut laminated materials right away and enjoy instant bonding.

Hot Melt Adhesive Powder has excellent washing and drying resistance and has a strong bonding power with synthetic and chemical fiber fabric. It can be used for apparel lining, luggage, bags, shoes, and other similar materials. It is also highly resistant to high-temperature and weather conditions. The benefits of Hot Melt Adhesive Film are numerous. So, go ahead and order some Hot Melt Adhesive Film today! You'll love it!

The multipurpose, heat-resistant, and repositionable properties of Hot Melt-Adhesive Film allow for flexible, quick bonding between many different substrates. This high-performance adhesive bonds wood, polypropylene, light-gauge metal, and foam. Its quick open time also makes it easy to position and adjust to meet your exact needs.

The high-temperature bonding capabilities of Hot Melt-Adhesive Films make them ideal for corrugated cartons and other large surfaces. These adhesives also adhere to foams, fabrics, and light-gauge metals. You can even spray hot melts to get your job done in minutes. And since hot melt adhesives can be used as a solvent-free glue, you won't need to worry about harmful fumes and flux.

The versatility of hot melt adhesive film is unmatched. It's highly flexible and tough. It also features exceptional low-temperature thermal shock properties, which ensure optimal adhesion even under fluctuating temperatures. The Hot Melt Adhesive Film is a 100% solids thermoplastic resin and can be used in a variety of industrial applications. You can also use it for plastics, including polyethylene and polypropylene.

Unlike other adhesives, hot melts don't lose thickness when they solidify. They are completely solid and shrink very little after cooling. This makes them excellent for filling gaps and tight corners. In contrast, solvent-based adhesives require the extraction of the carrier to set, which usually results in a 50-70% reduction of the applied weight. That's why hot melts are fast becoming the preferred adhesive for many applications.