

## SQ-710007 EPU Glue

### Description

**SQ-710007** is a one-component UV-curable adhesive that can be used to transfer texture films on PC, PET, PVC, PMMA and other substrates through molds with various textures and structures. The product has good stretchability, high tensile strength, good flexibility, good scratch resistance, etc.

### Technical data

Test items	Test Data
Appearance	Transparent liquid
Viscosity (25°C, CPS)	300-600
UV component (%)	100
Density (g/cm <sup>3</sup> , 25°C)	1.03±0.05
Hardness (1Kg force load)	2B-B
Coating thickness (μm)	100-200
Bend and fold	Stretched over 50%
Curing energy (mercury lamp, mj/cm <sup>2</sup> )	600-1000
QUV resistance	More than 500h

Note: The above performance parameters can be customized according to customer requirements

### Performance

Good flexibility, yellowing resistance, and good transparency

Low shrinkage and easy demoulding

Good resilience and can be recoated.

### Applications

Suitable for various plastic substrates such as PC, PET, PVC, PMMA and so on. Produce high-end signs or printed products to make the printed surface more gorgeous.

### Construction technology

1. Clean the material surface.
2. Pour the glue between the two pieces of PET release film to make the two pieces of PET film fit together. Use a rubber roller to squeeze the surface of the PET release film so that the glue can expel air bubbles and achieve better leveling. Make sure that the bonding parts are covered with glue.
3. Use ultraviolet light with a wavelength of 265 or 395 nanometers. When irradiating, keep the UV lamp as close to the glue as possible to speed up the curing.
4. Rewind the PET release film after curing.
5. If the adhesive layer is not completely cured, you can continue to use ultraviolet light until the adhesive layer is fully cured.

### **Construction steps**

Unwind → Glue on specially treated release film → Rubber roller pressing → UV curing → Rewinding → Printing ink, etc. → Slitting → Forming → Injection molding → Peel off the surface polyester film → Spray hardened coating

### **Precautions**

1. Ensure that the UV adhesive layer absorbs sufficient UV energy to achieve the best curing effect, otherwise it will easily affect the performance of the adhesive layer.
2. The remaining glue cannot be returned to the original packaging. It should be sealed away from light and stored at room temperature.

### **Storage**

To prevent the product from polymerization and gelling, please keep it sealed and away from heat and light. Recommended storage temperature is not higher than 30°C. Unused products must be sealed and stored in a timely manner and cannot be stored in the open. Safe storage time is 6 months at room temperature( 25°C) and under ventilation. 1KG/5KG/25KG/barrel

**Tips:SQ-710007 has low shrinkage, good resilience and high tensile strength.**

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.