

SQ-720005 BOPP Anti-scratch Wear-resistant UV Varnish

Description

SQ-720005 one-component UV matte hardening liquid is mainly used for hardening the surface of BOPP light film, paper, PVC and other film surfaces. It can be applied by spraying, roller coating, etc. After the coating is formed into a film, it has good adhesion to the substrate and can protect the surface of the coated material for a long time. The coating process is simple and the production efficiency is high. The coating has uniform mattiness, no blooming, a delicate and smooth feel, and good scratch resistance.

Technical data

Test items	Test Data
Appearance	Slightly transparent liquid
Viscosity (apply 4 cups/25°C)	40-80S
Solid content (%)	60±2
Density (g/cm ³ , 25°C)	0.90±0.05
Hardness (1Kg force load)	1H-3H
Coating thickness (μm)	5-8
Gloss (gloss meter)	6-8°
Flexibility	Stretch 50% without bursting
Curing energy (mercury lamp, mj/cm ²)	600-1,000
QUV resistance performance	More than 2000h
Anti-friction performance (4 pounds load, wear-resistant machine)	More than 1000 times

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

Performance

It has matte finish, wear resistance, high adhesion, non-yellowing, etc. The effects of velvet, rubber and velvet can be achieved according to different production processes.

Good chemical resistance, no blistering, no curling, no warping

The coating surface can be screen printed and hot stamped

Applications

Various paper, PVC, PET, PP matte glue, BOPP light film and other plastic substrates are used to produce high-end signs or printed products, making the surface of the printed matter more gorgeous.

Construction technology

1. The commonly used coating methods for UV-type universal wear-resistant hardening fluid are spray coating and roller coating. Please avoid exposure to sunlight;
2. The product can be diluted with solvent. It is recommended to shake it before construction to make the solution even and then filter it;
3. When performing roller coating, enter the drying tunnel at 60-70°C and heat for 2 minutes;
4. After heating, enter the UV curing lamp area for routine curing. It is recommended that the specific curing time be adjusted according to the energy of the lamp. If conditions permit, the time can be extended appropriately, which will help improve the hardness of the film layer; (The energy of the UV curing lamp during the test experiment was 2000W. Lamp tube length 30cm)
5. After the curing is completed, the performance of the plate can be measured directly after cooling it to room temperature;
6. After roller coating, please clean the equipment thoroughly with organic solvent.

Precautions

1. This product has been diluted to a solid content and viscosity suitable for roller coating. It can be diluted with a solvent before use. If customers need high solid content and dilutable products, our company can provide corresponding high solid content products and corresponding diluents according to the customer's specific requirements;
2. This product contains flammable components, please pay attention to fire prevention during transportation, storage and use.

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-720005 BOPP anti-scratch and wear-resistant UV oil, with good flexibility, uniform matteness and good soft touch feel.

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.