



Ink Resistant UV Water Transfer Resin Printing WTP Resin

Our Product Introduction

Basic Information

- Place of Origin: Wuhan, Hubei, China
- Brand Name: Meilun Materials
- Model Number: SNK
- Minimum Order Quantity: 20kg
- Packaging Details: 20kg/barrel, 200kg/barrel
- Payment Terms: L/C, T/T
- Supply Ability: 50T/month



Product Specification

- Highlight: UV Water Transfer Resin,
Aliphatic polyurethane acrylate,
UV decorative effect good resin



Product Description

UV water transfer resin

Product Manual:

UV water transfer printing resin is a high-performance resin specifically designed for water transfer printing processes. Utilizing UV curing technology, it rapidly forms a durable surface coating, providing excellent pattern transfer and protection. This resin is widely used in water transfer printing to enhance surface decoration and durability. By incorporating various functional formulations such as UV high-transfer resin, UV acrylic polyurethane, and aliphatic/aromatic polyurethane acrylates, this type of resin demonstrates strong application potential in 3C electronics, automotive interiors, home building materials, and more.

Core Features and Formulation Advantages

1. High-Efficiency Transfer and Pattern Reproduction

UV high-precision pattern transfer resin achieves accurate reproduction of complex textures (e.g., wood grain, marble, brushed metal) through low shrinkage and high leveling properties, ensuring clear pattern edges and vibrant colors.

UV wear-resistant and corrosion-resistant resin forms a dense cured film on the transfer layer's surface, significantly improving scratch resistance and chemical resistance, extending the lifespan of decorations.

2. Customizable Chemical Structure

Aliphatic polyurethane acrylates provide excellent yellowing resistance and flexibility, making them suitable for outdoor applications.

Aromatic polyurethane acrylates, with their high crosslinking density, offer superior hardness and adhesion, making them ideal for substrates like metal and glass.

3. Fast Curing and Eco-Friendly Properties

UV rapid curing resin cures within seconds under UV light exposure, significantly enhancing production efficiency.

VOC-free (volatile organic compounds), aligning with green manufacturing trends.

Main Application Areas

Thanks to its **UV-enhanced decorative performance**, UV water transfer printing resin is widely used in, but not limited to:

Automotive interior components

Electronic product casings

Household items

Handicrafts

Plastic products

Metal products

Water-resistant and oil-resistant inks

Acid and alkali-resistant inks

Bonding between glass surfaces and between glass and aluminum alloy

UV water transfer printing on polyester-coated glass surfaces (gold stamping compatible)

Glass vacuum plating primer

Process

UV water transfer printing resin can be applied to transfer paper through spraying or roller coating. The transfer paper is then soaked in water, allowing the pattern to be transferred onto the target object's surface. UV curing equipment is then used to rapidly cure the resin, forming a durable surface coating that protects the object while providing a unique decorative effect.

Future Technological Trends

With the increasing demand for lightweight and customized 5G devices, UV water transfer printing resin is evolving towards **high transparency, ultra-thin coatings, and multifunctional integration** (e.g., antibacterial, anti-static properties), continuously driving innovations in surface decoration technology.

As a material solution that combines both **aesthetic value and functionality**, UV water transfer printing resin is redefining the boundaries of industrial design, becoming an indispensable "powerful and visually appealing" component in the era of smart manufacturing.

Test Formulation (using a 25µm wire bar):

- **SNK**: 10g
- **184**: 0.2g
- **TPO**: 0.3g / 10.5g

This formulation is designed to be tested for its performance using a 25µm wire bar application.

Recommended product models(please search on the site):

SNK-2213,SNK-2249A,SNK-2269

Storage and validity period:

1: This product should be stored in a cool, well-ventilated room, and strictly protected from light exposure for stable storage.

2: Keep the resin away from heat sources and store it in a dark place to prevent potential hazards or affecting the stability of resin storage.

3: When stored at room temperature, it remains stable for six months. After use, please tightly seal the container to avoid exposure to light sources and gelation.

Package

200 kilograms/iron drum

20 kilograms/iron drum

200 kilograms/plastic drum

20 kilograms/plastic drum



Wuhan Meilun New Materials Co., Ltd



+8618062439876



hu1150563785@gmail.com



melonmaterials.com

Room 1206-1207, Building 8, Country Garden Yunxi Office, No. 20 Gaokeyuan West Road, Jiufeng Street, East
Lake New Technology Development Zone, Wuhan