



High Transparency UV Graphic Arts Inks Good Adhesion

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 Graphic Arts Inks, UV high adhesion resin, UV high transparency resin



武汉美纶新材料有限公司
WUHAN MEILUN NEW MATERIALS CO., LTD

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Product Description

UV Graphic Arts-inks

Product Description:

UV printing resin is a high-performance material specifically designed for the printing industry, forming a durable, UV-cured protective layer during the printing process. This resin is widely used in various printing processes to provide excellent print quality and durability.

Product Features:

Fast Curing: UV printing resin utilizes UV light curing technology, allowing for rapid curing within seconds, thereby increasing production efficiency.

Excellent Wear Resistance: The protective layer formed by UV printing resin exhibits outstanding wear resistance, capable of withstanding daily abrasion and scratching to maintain print clarity.

High Transparency: The UV-cured protective layer has high transparency, resulting in bright and clear print surfaces.

Good Adhesion: UV printing resin adheres well to various printing substrates, including paper, plastic, and metal, ensuring stable adhesion of printed materials.

Environmentally Friendly: UV printing resin typically uses solvent-free or low-volatile organic solvents, meeting environmental standards and reducing environmental pollution.

Main Applications:

UV printing resin products are widely used across various sectors of the printing industry, including:

- Advertisement printing
- Packaging printing
- Label printing
- Book and magazine printing
- Product labeling printing
- Electronic product casing printing
- Automotive film printing, etc.

Processes:

UV printing resin can be applied to printing substrates using screen printing, spraying, and other printing processes, followed by rapid curing using UV curing equipment. This curing process allows the resin to form a strong and wear-resistant protective layer in a short time, improving production efficiency and print quality.

In summary, UV printing resin is an essential material in the printing industry, providing effective solutions for achieving high-quality prints and driving advancements in printing technology and processes.

Typical performance characteristics:

Key Features:

- Excellent resistance to yellowing
- Extremely high adhesion
- Low viscosity
- Resin tends to be slightly soft after curing

Specifications:

- Number of functional groups: 2
- Curing energy: 300-500mJ/cm²
- Can be cured with UV and UV-LED light sources
- Molecular Weight (Mw): 1500-3000
- Solubility: Soluble in ketones, esters, and aromatic hydrocarbon solvents.

Difficult-to-adhere substrates:

OPP, PET, bottom-coated gloss oil, metal screen printing, 3D inkjet printing, PET adhesive.

Processes:

Silk screen printing, roller coating, spraying, adhesive application, etc. Compatible with conventional UV monomers and resin blends. This product can be directly adjusted with monomers to achieve desired performance and can be used in other formulations to enhance adhesion.

Test Formula: (Using a 25μm wire bar)

2203: 10g

184: 0.2g

TPO: 0.3g / 10.5g (Adjust curing speed and hardness with 5-10% GPTA)

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



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