



SNK-2213 (Aliphatic Polyurethane Acrylate)

Our Product Introduction

Basic Information

- Place of Origin: Wuhan, Hubei, China
- Brand Name: Meilun Materials
- Model Number: SNK-2213
- Minimum Order Quantity: 20kg
- Packaging Details: 20kg/barrel, 200kg/barrel
- Payment Terms: L/C, T/T
- Supply Ability: 50T/month



SNK-2213

Product Specification

- Highlight: 2500Mps.s/40°C Water Transfer Resin,
4500Mps.s/40°C Water Transfer Resin,
metal Aliphatic Polyurethane Acrylate

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Product Description

UV Metal Adhesion Resin(Aliphatic polyurethane acrylate) SNK-2213

Product Description:

Main applications: suitable for glass, metal, polyester lacquer surfaces, ceramic glazes, etching ink, cover plate ink, boiling water-resistant ink, acid and alkali resistant ink. It can be used for bonding between glass and between glass and aluminum alloy, UV water transfer printing on glass polyester lacquer surfaces (including hot stamping), and as a base for vacuum metallization on glass.

Processes: screen printing, roller coating, spraying, adhesive, etc. Soluble in conventional UV monomers and resins. It can be used in other formulations to improve adhesion.

Typical performance characteristics:

⊙ Excellent adhesion (3M cross-cut test, no peeling), good film strength, good yellowing resistance, resistant to cutting fluid $\geq 3h$, resistant to 70% concentration of phosphoric acid and nitric acid $\geq 0.5h$, resistant to hydrofluoric acid $\geq 0.5h$, resistant to 5% alkali soak $\geq 1h$, hardness $\geq 1H$. After baking at $180^{\circ}C$ for 30 minutes, it can withstand soaking in $52^{\circ}C$ white wine and boiling water for $\geq 24h$.

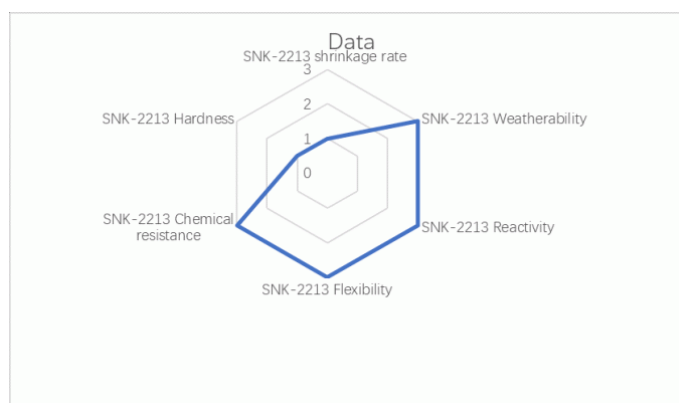
⊙ After UV curing, infrared heating can be used to further promote adhesion. Baking at $180^{\circ}C$ for 30 minutes yields better results.

⊙ Number of functional groups: 2.5-3.0, curing energy: 500-1000 mJ/cm², can be cured by UV, UV-LED, and UV-cationic methods.

⊙ Molecular weight $M_w = 2500-3000$, soluble in ketone, ester, and aromatic solvents.

Technical Parameters:

serial number	Technical parameter items	unit	Technical parameters
1	viscosity	Mps.s/ $40^{\circ}C$	2500-4500
2	Solid content	%	≥ 98
3	Exterior		slightly yellow viscous substance
4	AV	mgKOH/g	≤ 15
5	NCO	mgKOH/g	≤ 2
6	color number	Gardner, $25^{\circ}C$	< 1
7	Moisture content	$25^{\circ}C/\%$	< 0.1
8	Polymerization inhibitor	ppm	< 400



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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