



SNK-2218 (Aliphatic Polyurethane Acrylate)

Basic Information

- Place of Origin: Wuhan, Hubei, China
- Brand Name: Meilun Materials
- Model Number: SNK-2218
- Minimum Order Quantity: 20kg
- Packaging Details: 20kg/barrel, 200kg/barrel
- Payment Terms: L/C, T/T
- Supply Ability: 50T/month



SNK-2218

Product Specification

- Highlight: yellowing resistance metal resin,
metal resin 1000mpa.s/40°C,
metal epoxy Aliphatic Polyurethane Acrylate

Product Description

UV Metal Adhesion Resin(Aliphatic polyurethane acrylate) SNK-2218

Product Description:

Main applications: This product is suitable for use on glass, metal, polyester paint surfaces, ceramic glazes, etching ink, cover plate ink, boil-resistant and water-resistant inks, acid and alkali resistant inks. It can be used for bonding between glass or between glass and aluminum alloy, as a base for glass vacuum plating, aluminum alloy car wheels, tinplate, stainless steel, etc.

Processes: Screen printing, roller coating, spraying, adhesives, etc. It is soluble in conventional UV monomers, resins, and similar substances.

Typical performance characteristics:

Excellent adhesion (3M tape test shows no peeling), good yellowing resistance, excellent water resistance on stainless steel and glass substrates, resistant to cutting fluid, boil-resistant, can withstand 5% NaOH solution for ≥ 0.5 hours, acid-resistant, hardness $\geq 1H$. (Greater curing energy results in better water resistance, recommended usage temperature below 40 degrees Celsius, seal immediately after use for better resistance to water bubbles).

After UV curing, can be further cured by infrared heating to promote adhesion, or baked at 180 degrees Celsius for 30 minutes for better results.

Number of functional groups: 2, curing energy: 1500-3000 mJ/cm², soluble in ketones, esters, and aromatic solvents.

Molecular weight (Mw): 2500-3000.

Test formula: (using a 25 μ m wire rod)

2218: 10g

184: 0.2g

819: 0.1g

TPO: 0.2g10.5g

Technical Parameters:

serial number	Technical parameter items	unit	Technical parameters
1	viscosity	mpa.s/40°C	1000-2500
2	Solid content	%	≥ 98
3	Exterior		Slightly yellow viscous
4	color number	Gardner,25°C	< 3
5	AV	mgKOH/g	≤ 10
6	NCO	mgKOH/g	≤ 1
7	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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