



SNK-2215 (Aliphatic Polyurethane Acrylate)

Basic Information

- Place of Origin: Wuhan, Hubei, China
- Brand Name: Meilun Materials
- Model Number: SNK-2215
- Minimum Order Quantity: 20kg
- Packaging Details: 20kg/barrel, 200kg/barrel
- Payment Terms: L/C, T/T
- Supply Ability: 50T/month



SNK-2215

Product Specification

- Highlight: etching ink metal epoxy SNK-2215,
metal epoxy Aliphatic polyurethane acrylate
SNK-2215
, print metal repair epoxy SNK-2215

Product Description

UV Metal Adhesion Resin(Aliphatic polyurethane acrylate) SNK-2215

Product Description:

Main applications: This product is suitable for use on glass cover plates, metal surfaces, 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, and on metal surfaces.

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), excellent yellowing resistance, withstands water immersion for 72 hours, resistant to cutting fluids, boil-resistant for 2 hours, withstands 5% NaOH solution, good acid resistance, hardness $\geq 1H$ (this product's special feature is its one-time UV mercury lamp curing for water immersion and boiling resistance). 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: 2500-3500 mJ/cm², soluble in ketones, esters, and aromatic solvents. Molecular weight (Mw): 2500-3000.

Test formula: (using a 30 μ m wire rod)

2215: 90g

184: 0.5g

TPO: 0.5g (can be replaced with other initiators as needed)

NPGDA: 9g/100g (can be replaced with other monomers and resins as needed)

Note: Greater curing energy results in better water resistance. Recommended usage and storage temperature is below 25 degrees Celsius. During processing, try to avoid prolonged exposure to air or processing temperatures exceeding 40°C. Seal immediately after use for better water resistance. The less initiator used, the better the water resistance. Dissolve the initiator in monomers and cool before adding. When adding colorants, it is recommended to adjust them with monomers before adding. Prolonged exposure to air or high temperatures may reduce adhesion of this resin. The cured coating shows better water resistance after prolonged storage.

Technical Parameters:

serial number	Technical parameter items	unit	Technical parameters
1	viscosity	mpa.s/25°C	3000-5000
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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