Create the innovative value of paints

JIAZHI® easy-cleaning functional resin

Model number

JIAZHI®JZ-9570-10

Specification

Composition	Functional monomer modified hydroxyl acrylic resin solution
Appearance	Slight yellowish to yellow clear liquid
Solvent	BAC
Content	50±3%(140℃ 2h)
Hydroxyl value	56±5 mg KOH/g (Theoretical value of solid resin)

Note: This data sheet is intended to give typical results, not standard.Subject to COA.

Application system

Solvent-based system

Properties

- Excellent weather resistance.
- excellent flexibility, the elongation 105-110% of coating on TPU substrate.
- The oily pen on TPU substrate does not shrink, and alcohol can wipe away the residue.
- Good chemical resistance and solvent resistance, such as denatured alcohol, gasoline and lubricating oil.
- Heat repairable.
- No slip.

Storage stability

Store in a cool, dry place in the unopened original packaging for 36 months. Products that exceed the storage period can continue to be used after passing the inspection. It must be closed immediately after use.

Recommended formula

1. Suggestion for PU varnish formulation

	Material	Dosage%
Part A	JZ-9570-10	50
	BAC	48.75-49.25
	Dryer(1%)	0.5-1.0
	WE-D8920BR(leveling agent)	0.25
	Total	100
Part B	N3390	6.4

Note：

1. NCO% of N3390=19.6, produced by Covestro, Germany.

2. Selection of desiccant: it is recommended to use environment-friendly desiccant for TPU base material, dilute it to 1% solid content in advance, and then add about 1%. The coating has a long activation period and will not gel when stored at 25 ℃ for 24 hours; TPH base material is not suitable for environment-friendly desiccant and cannot be dried under normal baking conditions. It is recommended to use organotin desiccant, dilute it to 10% solid content in advance and add 0.5 ~ 1%. The activation period of the coating is 2.5-3.5 hours at 25 ℃

3. It is recommended to bake at 100-130 ℃ for 2-3 minutes, cool and roll, and continue to mature at about 60 ℃ for 24-48 hours.

Package

25KG / 180KG

Application suggestion for paint protective film

item		TPH film base	TPU film base
Fouling-resistance from alcohol wiping		a little residue	no residue
Flexibility		elongation＞120%	elongation＞100%
Chemical resistance	denatured alcohol	no loss of light	no loss of light
	lubricating oil	no loss of light	no loss of light
	gas	no loss of light	no loss of light
Recovery		hot healing	hot healing

Instructions:

1. The test results in the table are based on the following conditions:
baking time: 120 ℃ for 3min, curing conditions: 60 ℃ for 48h,
coating thickness: TPH substrate: 8-10 μ m　　TPU base material: 15-20 μ m
in view of the variability of substrate, film thickness, baking and curing conditions, the data provided in this table are for reference only.

2. Oil pen is used for pollution resistance test. The test method is to write on the film and place the film at room temperature for 3 min

3. Reference to solvent resistance test method: the forthcoming standard for automotive paint protective film has been submitted for approval and is to be issued.

6.14.2

Immerse the sample in denatured alcohol (10 volumes of ethanol contain 1 volume of methanol), gasoline and lubricating oil respectively for 30 minutes, and then take it out and wipe it. Observe the appearance change of the sample.