



Achieve the innovative value of paint

## JIAZHI® Easy-cleaning functional resin

### Model number

JIAZHI®JZ-9582

### Specification

Composition	Hydroxy acrylic resin solution modified by functional monomer
Appearance	Slight yellowish to yellowish translucent liquid
Solvent	BAC/Xylene
Content	50±3%(140°C 2h)
Viscosity	100-1000mPa·s (Rotating viscometer)(25±0.2)°C
Hydroxyl value	72±5 mg KOH/g (Theoretical value of solid resin)

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

### Application system

Solvent-based

### Properties

- Excellent anti-marker performance under alcohol wiping conditions.
- Good slip.
- Excellent flexibility.
- Better repairability.
- Excellent scratch resistance and wear resistance.
- Excellent weather resistance.
- Excellent resistance of carburetor cleaning agent.

### Storage stability

Keep intact 36 months in original package. Products beyond the storage period may continue to be used after inspection. The container must be closed immediately after use.

### Recommended formula

#### 1. Suggestion for PU varnish formulation

	Material	Dosage%
Part A	JZ-9582	80.00
	BAC	18.75
	Dryer(1%)	1.00
	WE-D8920BR(leveling agent)	0.25
	Total	100
Part B	N3390	11.60-13.50

Note:

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

Different dosage of Part B, different performance in PPF		
Part A/B proportion	100(A): 11.6(B)	100(A): 13.5(B)
tensile strength	110%±5	80%±5
oil-resistant pen	slightly residual	no residua
resistance of carburetor	no gloss lose in clean agent	no gloss lose in 60s

2.The mixed part A and B should be used up within 5-7 hours in a sealed container. Otherwise, the mixed material will be gelled.

3.Suggest dry it at 110-130°C for 2-3min. for automotive protective film, ripening at 60-80°C more than 24h.

4.The advantages and disadvantages of fouling resistance and aging resistance depend on whether the coating is fully cross-linked; it is an effective method to put the surface treated film into the ripening box. It takes at least 24 hours during ripening, and the effect is better if it can reach more than 48 hours.

### Package

25KG / 180KG



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## Application suggestion for paint protective film

NCO: OH=1.05

item	TPH film base	TPU film base
fouling-resistance from dry wiping	a little residue	a little residue
fouling-resistance from alcohol wiping	a little slight residue	a little slight residue
hydrophobicity	water contact angle>100°	water contact angle>110°
flexibility	elongation>120%	elongation>60%
recovery	hot healing	hot healing
chemical resistance (Carburetor-resistance cleaner)	No changes in 30s	No loss of gloss in 30s
weather resistance	aging test of QUVB 3000h	aging test of QUVB 3000h

NCO: OH=1.2The following performance changes.

item	TPH film base	TPU film base
fouling-resistance from dry wiping	a little residue	a little residue
fouling-resistance from alcohol wiping	a little slight residue	a little slight residue
flexibility	elongation>100%	elongation>80%
chemical resistance (Carburetor-resistance cleaner)	No changes in 60s	No loss of gloss in 60s

### Instructions:

1. Baking conditions :110-130°C 3min

Maturation conditions: 80 °C 48h

Coating thickness: TPH base 8-10 μ m    TPU base 15-20 μ m

In view of the variability of substrate, film thickness, baking and aging 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. The brand of carburetor cleaner used in chemical resistance test is Bontny.

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above mentioned statements have to be adjusted to the circumstances of the processor.