



Special Resin for Eruption Glue ZD-980

ZD-980 is made by copolymerization of acrylic ester and isobutyl acrylate. It belongs to anionic resin. Because of its perfect thermostability, it has a hard feeling and a good setting effect.

【Index】

Solid Content 43%

Molecular Weight 85000-90000

【Description】

Molecular weight of 980 is a little bit big, suitable for the low solid content product.

【Application Range】

Mainly used for hair styling, strong conditioning, brightening, suitable for hair, perm hair conditioning styling with gel water and transparent agent products.

【Suggest Usage】

Materials	Amount(%)
980	12
Humectant	0.1
Alcohol	88

Storage Condition: Placing in a dark environment which is below 25 degrees Celsius.

Quality Guarantee Period: 3 months

Package: 60kg/50kg (Plastic Bucket)



Cationic Copolymer Resin ZD-928/938

This product is made up of acrylic acid, two methyl ethyl ester and isobutylamide, acrylic ester and so on, It contains many groups such as tertiary amino group, ether group, acetyl group, amide group and so on, The resin has a good clarity in the aqueous alcohol system, Due to the application of the principle of plasticization within the process, the cohesion and adhesion of resin are excellent to achieve a refreshing, stable and strong hold shaping effect.

Description: Suitable for Spray Type Water Gel

The film-forming of ZD-938 is brighter than ZD-928.

【Index】

	928	938
K VALUE	22-26	26-32
Solid Content	38%	38%
Free Monomer	<0.1%	<0.1%
PH Value	5-6	5-6
Appearance	Colorless, Transparent and Sticky Liquid	Colorless, Transparent and Sticky Liquid
Application Range	It is mainly used for hair styling, strong conditioning, brightening, suitable for hair, perm hair conditioning styling with gel water and transparent agent products	

【Suggested Formula】

Materials	Amount(%)	Materials	Amount(%)
928	12	938	12
Humectant	0.5	Humectant	0.6
Waterborne Silicone Oil	2	Waterborne Silicone Oil	1
Preservative	0.2	Preservative	0.2
Essence	Suitable	Essence	Suitable
Deionized water	Add to 100	Deionized water	Add to 100

Storage Condition: Placing in a dark environment which is below 25 degrees Celsius.

Quality Guarantee Period: 3 months

Package: 60kg/50kg (Plastic Bucket)



Pearl Concentrate ZD-500

This product is a mixture of mixed pearlescent agent to synthesize the Pearl pulp, without alcohol amide, It has regular crystal shape, good diffuse, dispersion, and it can be compared with imported pearl pulp. This product is a mixture from composite configured pearlescent agent to synthesize the Pearl pulp, it is without alcohol amide.

【Index】

Appearance	Medium Viscosity White Dispersion
Total active matter content	26%
Slurry Content	18%
Integrating Sphere Diffusion	88%
Inorganic Salt	2%
PH VALUE	3-5

【Application Range】

It is with pearly-lustre character ,it can be used in hair conditioning agent transparent products and liquid product, such as shampoo and body shower gel.

Storage Condition: Placing in a dark environment which is below 25 degrees Celsius.

Quality Guarantee Period: 9 months

Package: 22kg(Plastic Bucket)

Pearling King ZD-100

The product is a compound type pearlescent agent, which is compounded with various pearlescent agents and a plurality of active agents to make the operation of the customers simple and convenient, and the pearlescent agent has high concentration, good pearl luster effect and stability

Oleic Phase	Glycol Distearate	24%
	Alkyl Ether Sulfate (AES)	20%
Aqueous Phase	Water	53%
	Salt(Sodium Chloride)	3%

【Operation Method】

Oil or water phase rise to 75-80 degrees Celsius, mix and cool down to 53 degrees Celsius, stand aside (about ten minutes to stir), until it is naturally cooled to 35 degrees Celsius.

【Application Range】

It is with pearly-lustre character, it can be used in hair conditioning agent transparent products and liquid product, such as shampoo and body shower gel.

Storage Condition: Placing in a dark environment which is below 25 degrees Celsius.

Quality Guarantee Period: 9 months

Package: 25kg(Carton)



Aerosol Hair Setting Resin (Powder)

Superb Curly Hair Retention Rate

Good Hair Combability

Beauty to Solve This Contradiction

Smooth Hair Film

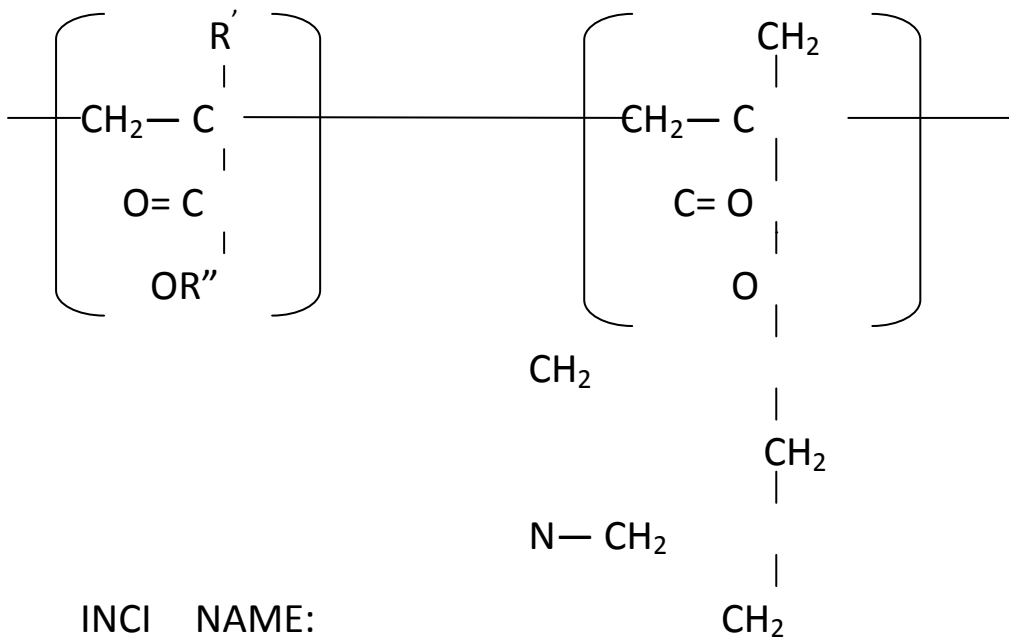
Super Excellence Hair Handfeel

Very Low Molecular Weight

Excellent Atomization

Nearly Neutral PH Value

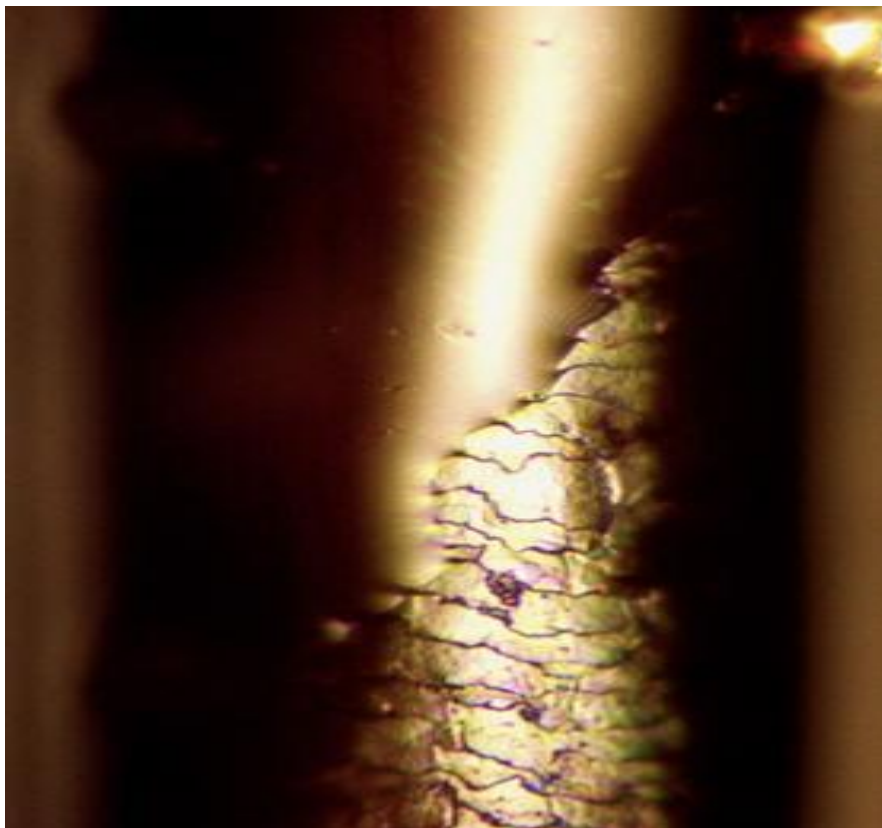
Very Good Propellant Compatibility



INCI NAME:

HMP-ACRYLATES COPOLYMER

ZD-988 On the hair formable and shuid for sunset



Physical Property:

Product	Solid Content	Solvent	Treacliness	PH	Chroma
ZD-988	41 ± 2	ethanol (water5%)	1100	5.5~7.5	2
ZD-611	41 ± 2	ethanol (water5%)	1100	5.5~7.5	2
ZD-810	41 ± 2	ethanol (water5%)	1100	5.5~7.5	2
ZD-811	41 ± 2	ethanol (water5%)	1100	5.5~7.5	3
ZD-610	41 ± 2	ethanol (water5%)	780	5.5~7.5	3
ZD-1000	100	0		6.3	

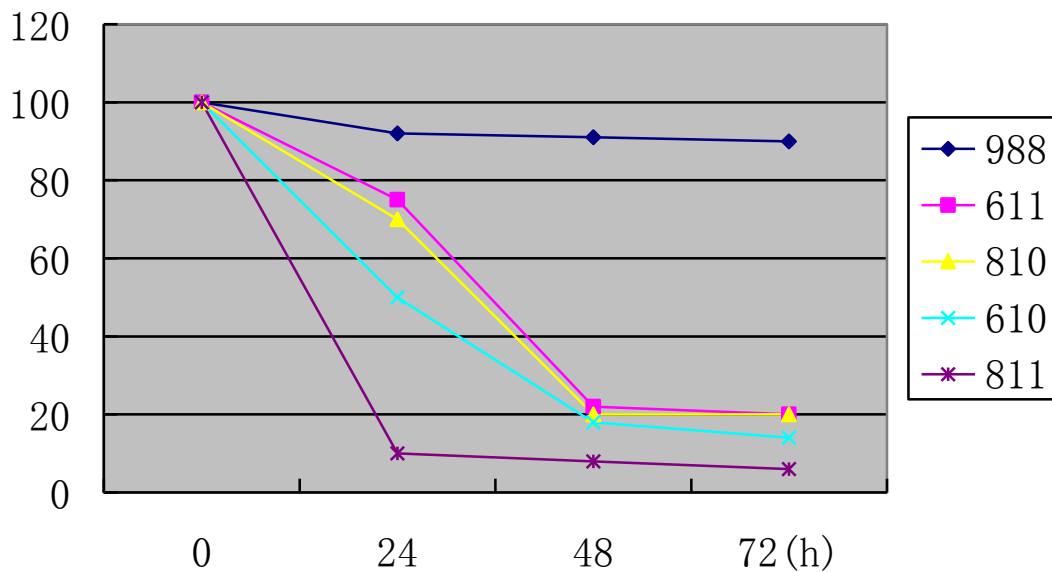
Character:

Product	Character
ZD-988	In high humidity environment. It stil has good setting force and is easy tobo cleaned by shampoo
ZD-611	Compared with improved carding there is no white chip at all
ZD-810	Suitable hardness ,high gloss and good carding
ZD-811	Suitable hardness ,good handle high glass
ZD-610	Faster drying speed
ZD-1000	Converient transportation

Curvature Retention Ability

Dip a certain amount of hair in a glass of glue(10% ethanoic solution)and remove the excess glue. Wind the hair bundle on the PLEE curling clip. Dry it for 12hours(70°C) Remove and cool it for 30 minutes. Carefully unscrew the clip and hang one end of the curly hair in a constant temperature and humidity box to record the length of the hair bundle.

30°C, 90%RH,72H



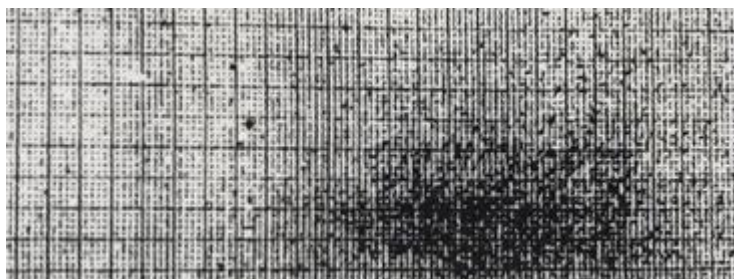
Measurement of Hair Beam Combing Force

Hair bundles are soaked in glue, taken out, extruded and dried, then fixed on the clip. Combed with a stretch tester. Hundreds of copies are obtained from the ratio of the combing force required for the treated and untreated hair bundles.

Product	Cording Rate%
ZD-988	320
ZD-611	190
ZD-810	180
ZD-610	190
ZD-811	130

Atomization

Place two sheets of paper with high alcohol sensitivity. Add 15% ZD-988 and K-30 alcohol solution respectively. The propellant butane (gas-liquid volume ratio 1:1) is. Obtained from 30cm distance to alcohol sensitive paper spray jet road.



ZD-988



K-30

Hardness Test:

- ①. Membrane production. Ethanol solution with 20% resin solid content was coated on glass specimens with a 100um film coater and dried at 50°C for 2 hours. The film was then placed at 23°C 60RH% (humidity) for 24 hours.
- ②. Pencil hardness. The hardness of pencil was measured by QHQ hand pencil hardness tester at 23°C and 60RH% (humidity). Fourteen pencils were selected, including 6B-6H(6B.5B.4B.3B.2B.B.HB.F.H.2H.3H.4H.5H.6H) the hardness grading used in this experiment was 1-softer(6B-4B), 2-softer(3B-B), 3-normal(HB-F), 4-harder(H-3H), 5-Extremely hard(4H-6H)

Product	Hardness
ZD-988	1~2H
ZD-611	2~3H
ZD-810	2~3H
ZD-811	2B
ZD-610	1H

Compatibility

The company's aerosol series can be miscible with each other. After miscible. The hardness and carding of hair film can be adjusted according to their respective requirements through different proportions. AMP Can also be used to fine-tune the PH value. The company's aerosol series resins and propellants such as hydrocarbons and dimethyl ether can be added at a volume ratio of 1:1 silicone oil, esters and alcohols are also soluble. The compatibility of amphoteric and cationic depends on cations. Quantity type pH value and charge density.

Manufacturer: Foshan Nanhai East Asia Synthetic Chemical Co.,Ltd