



Chemical Village CO., LTD.

20/2 (B4), Teparak Rd, Bangplee Yai, Bangplee,
Samutprakarn, Thailand 10540

Tel : 66 2757 5290 **Fax :** 66 2757 5292

email : chemicalvillage@hotmail.com **website :** www.chemicalvillage.com

ACRYLIC EMULSION

ULTRABOND U83

Is economic acrylic polymer develop as binder for textile pigment printing With excellent washing fastness, good stability, soft hand feeling and non-blocking in printing process. Good adhesion for cotton, T/C and polyester. May added crosslinking agent to increase washing and rubbing fastness. Can be used in auto flat screen, rotary printing machine and hand screen printing.

Specification

| | |
|-----------------------|--------------------|
| Polymer type | Acrylic copolymer |
| Appearance | Translucent liquid |
| pH | 7.5-9 |
| Viscosity, cp | <5000 |
| Particle size, micron | 0.1 |
| Tg, °C | -20 |
| MFFT, °C | <0 |



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ACRYLIC EMULSION

ULTRABOND U816

Is high solid content all acrylic copolymer developed as binder for textile pigment printing. with excellent washing fastness property, good stability, soft hand feeling and non-blocking in printing process. Good adhesion for cotton and T/C. May add crosslinking agent to increase washing and rubbing fastness. Can be used with auto flar screen, rotary printing machine and hand screen printing.

Specification

| | |
|-----------------------|--------------------|
| Polymer type | Acrylic copolymer |
| Appearance | Translucent liquid |
| Solid content, % | 43-45 |
| pH | 7.5-9 |
| Viscosity, cp | <5000 |
| Particle size, micron | 0.1 |
| Tg, °C | -20 |
| MFFT, °C | -20 |



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ACRYLIC EMULSION

ULTRABOND P261

Is an aqueous emulsion copolymer of pure acrylic The polymer has been silane modified to impart very high water resistance and rubbing fastness. This polymer has been specially designed for manufacturing indoor and outdoor water-base paint. Also can be used in art color and paper coating.

Benefits

- Excellent weather durability.
- Excellent water resistance and rubbing property.
- High gloss and good dispersing stability.

Properties

| | |
|----------------------------|--------------------|
| Appearance: | Milky white liquid |
| Solids Content (%) | 48-52 |
| pH | 7.5-9.5 |
| Viscosity (Brookfield RVT) | <500 (cps) |
| Particle Size (microns) | 0.1-0.2 |
| MFFT (°C) | 20 |



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ACRYLIC EMULSION

ULTRABOND P287

Is an aqueous emulsion copolymer of styrene and acrylic ester
The polymer has been silane modified to impart very high water resistance and rubbing fastness. This polymer has been specially designed for manufacturing paint and coating.

Benefits

- Excellent water resistance and rubbing property.
- High gloss and good dispersing stability.

Properties

| | |
|----------------------------|--------------------|
| Appearance: | Milky white liquid |
| Solids Content (%) | 48-52 |
| pH | 7.5-9.5 |
| Viscosity (Brookfield RVT) | 300-700 (cps) |
| Particle Size (microns) | 0.15 |
| MFFT (°C) | 20 |



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ACRYLIC EMULSION

ULTRABOND U87F

Is high solid all acrylic copolymer develop as binder for textile pigment printing. With excellent washing fastness property, good stability, soft hand feeling and non-blocking in printing process. Good adhesion for cotton, T/C and polyester. Can added crosslinking agent for maximum washing and rubbing fastness. Used in auto flat screen and rotary printing machine. Also good for hand screen printing.

Specification

| | |
|-----------------------|-------------------|
| Polymer type | Acrylic copolymer |
| Solid content, % | 42-44 |
| pH | 7.5-9 |
| Viscosity, cp | < 5000 |
| Particle size, micron | 0.1 |
| Tg, °C | -20 |
| MFFT, °C | -20 |



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ACRYLIC EMULSION

ULTRABOND 9000

Is high solid, low viscosity all acrylic emulsion developed for pressure sensitive adhesive.

With good stability, good adhesion and water resistance. Tacky film obtained with self-crosslink property. Used for table adhesive in screen printing.

Specification

| | |
|-----------------------|----------------|
| Polymer type | Acrylic |
| Appearance | Milky emulsion |
| Ionic charge | Anion |
| Solid content, % | 49-51 |
| pH | 5-7 |
| Viscosity, cp | <500 |
| Particle size, micron | 0.1 |
| Tg, °C | -50 |
| MFFT, °C | <0 |



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ACRYLIC EMULSION

ULTRABOND 9319

Is ultra-high solid acrylic copolymer emulsion developed for pressure sensitive adhesive. With good stability and good adhesion. Tacky film obtained with fast drying property. Used for table adhesive in screen printing.

Specification

| | |
|-----------------------|-------------------|
| Polymer type | Acrylic copolymer |
| Appearance | Milky emulsion |
| Ionic charge | Anionic |
| Solid content, % | 59-61 |
| pH | 7.5-9 |
| Viscosity, cp | 5000-20000 |
| Particle size, micron | 0.1 |
| Tg, °C | -50 |
| MFFT, °C | <0 |



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ACRYLIC EMULSION

ULTRAFLEX S17

Flexo and Gravure gloss inks and lacquers

Is medium hard film forming styrene acrylic emulsion , with good flexibility and adhesion properties. Developed as a let down vehicle for flexographic and gravure inks and coatings,giving high glossand good water resistance. Suitable for printing paper, board, aluminium foil and various treated film , like polyethylene , polypropylene and polyester.

Specification

| | |
|------------|---------------------|
| Appearance | Off whyite emulsion |
| Solid | 48±1 % |
| Viscosity | 200-800 |
| pH | 7.5-9.0 |
| Tg | 17°C |
| Acid No. | 10 |

Dilution characteristics

Ultraflex S17 can be diluted with both water and water/alcohol blended. It is advised to premix such blended and add slowly with thorough stirring to avoid possible solvent shock.

Pigmentation

Ultraflex S17 is designed as letdown vehicle. So it is recommended that pigment should pre-mill with a dispersing solution polymer.



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ACRYLIC EMULSION

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Is medium hard film forming styrene acrylic emulsion , with good flexibility and adhesion properties. Developed as a let down vehicle for flexographic and gravure inks and coatings,giving high glossand good water resistance. Suitable for printing paper, board, aluminium foil and various treated film , like polyethylene , polypropylene and polyester.

Specification

| | |
|------------|---------------------|
| Appearance | Off whyite emulsion |
| Solid | 48±1 % |
| Viscosity | 200-800 |
| pH | 7.5-9.0 |
| Tg | 17°C |
| Acid No. | 10 |

Dilution characteristics

Ultraflex S17 can be diluted with both water and water/alcohol blended. It is advised to premix such blended and add slowly with thorough stirring to avoid possible solvent shock.

Pigmentation

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ACRYLIC EMULSION

ULTRAFLEX S28

Flexo gloss inks and lacquers

Is hard film forming styrene acrylic emulsion, with good flexibility and adhesion properties. Developed as a let down vehicle for flexographic inks and coatings, giving high gloss and good water resistance. Suitable for printing paper, board, aluminium foil and various treated film, like polyethylene, polypropylene and polyester.

Specification

| | |
|------------|--------------------|
| Appearance | Off white emulsion |
| Solid | 48±1 % |
| Viscosity | 200-800 |
| pH | 7.5-9.0 |
| Tg | 28°C |
| Acid No. | 20 |

Dilution characteristics

Ultra flex S28 can be diluted with both water and water/alcohol blended. It is advised to premix such blended and add slowly with thorough stirring to avoid possible solvent shock.

Pigmentation

Ultra flex S28 is designed as let down vehicle. So it is recommended that pigment should pre-mill with a dispersing solution polymer.



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ACRYLIC EMULSION

ULTRAFLEX S10E

Flexo and Gravure gloss inks and lacquers

Is medium hard film forming styrene acrylic colloidal emulsion, with good flexibility and adhesion properties. Developed as a let down vehicle for flexographic and gravure inks and coatings, giving high gloss and good water resistance. Suitable for printing paper, board, aluminium foil and various treated film, like polyethylene, polypropylene and polyester.

Specification

| | |
|------------|--------------------|
| Appearance | Off white emulsion |
| Solid | 40±2 % |
| Viscosity | 100-500 |
| pH | 7.5-9.0 |
| Tg | 10°C |
| Acid No. | 100 |

Dilution characteristics

Ultraflex S10E can be diluted with both water and water/alcohol blended. It is advised to premix such blended and add slowly with thorough stirring to avoid possible solvent shock.

Pigmentation

Ultraflex S10E is designed as let down vehicle. So it is recommended that pigment should pre-mill with a dispersing solution polymer.