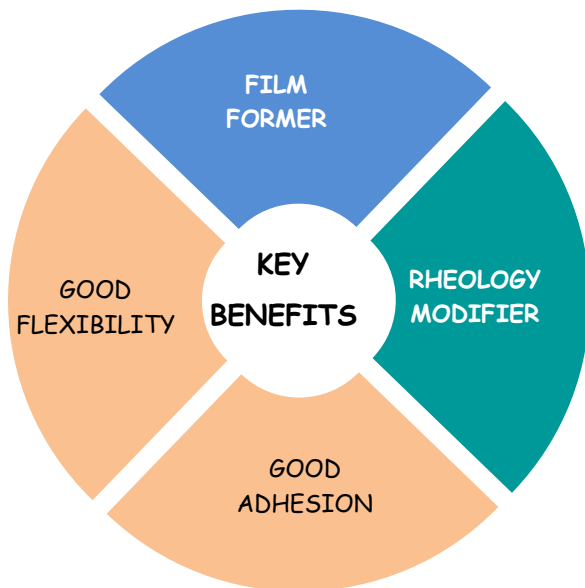


COMPOSITION

INCI NAME	ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER
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Chemical and physical properties

- Appearance: milky white liquid
- Odor: characteristic
- Solid content = $55 \pm 2\%$
- $T_g \sim -67^\circ\text{C}$
- $\text{pH} \sim 7,0-8,5$
- Viscosity $\sim 3000 \text{ mPa.s @ } 25^\circ\text{C}$

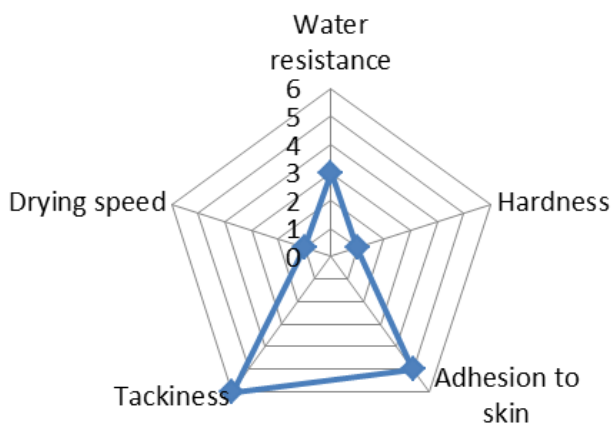
Formulation

- **pH:** stable over a pH range of 3,0-10,0
- **Salts:** compatible
- **Alcohols:** compatible
- **Surfactants:** compatible
- **Oils:** compatible
- **Pigments:** compatible
- **Thickeners:** compatible with synthetic (carbomers or polyacrylates) and natural (xanthan gums or cellulose derivatives)
- **Film formers:** compatible with cellulose derivatives
- **Beads:** compatible with MAKIBEADS, CELLULOBEADS
- **Fibers:** compatible with nylon, rayon and PLA fibers

Use guideline

- Add at the end of the process at a temperature below 40°C
- Ready for use: no prior polymer dispersion or neutralization required
- Use level: 0.1-100%

Performance properties



Cosmetic benefits

- Forms a transparent, flexible and glossy film
- Eyelashes adhesive: no need of make-up remover, the eyelashes come off easily

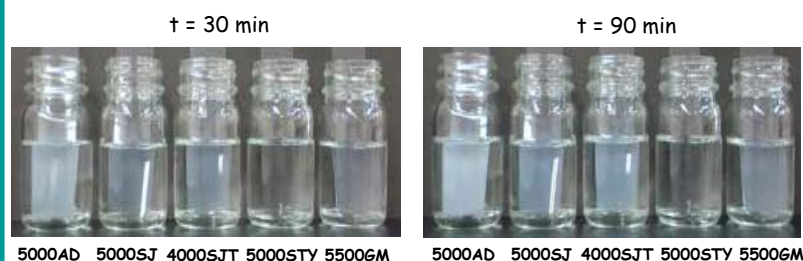
Rub-off resistance



Eyeliner formulations are applied on the skin and dried for 5 minutes. Wash with water and rub gently.

DAITOSOL 5500GM imparts good rub-off resistance.

Water resistance



The water resistance of the film is evaluated by immersion in water. The polymer is applied on a PET film (thickness 0,1 mm). After drying (1 hour), the film is immersed in water. The whitening of the film is an indication of the water resistance.

Daitosol 5500GM has medium water resistance

Applications

EYELASH GLUES

DE-0026-GM Eyelash glue gel

PRIMERS

DKE 233 Color enhancer eyes primer

FOUNDATIONS

DKE 215 OW gel foundation long lasting
DKE 229B Evanescent W/Si liquid foundation

Safety and regulatory information

Safety: A BCOP test showed that Daitosol 5500GM is non irritating.

Material Safety Data Sheets are available for all DAITO KASEI's products.

REACH: All the ingredients, unless exempted, will be registered on May 2018.

For additional information

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