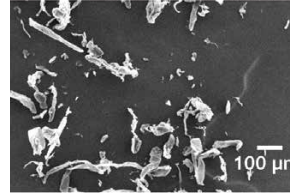


Fibers

Europe Program

Kobo offers a variety of natural and synthetic fibers in different lengths, thicknesses and shapes. They can be used to promote texturizing, soft focus, lengthening and volumizing effects in finished products.

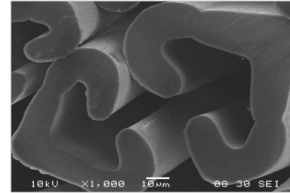
CELL-U-LASH™ fibers are made of **cellulose**, a natural polymer, and vary in length from 20µm to 110µm; they are hydrophilic and disperse easily in the initial water phase of an emulsion. These fibers are an excellent choice for finished products containing natural ingredients.



SEM Image: CELL-U-LASH™ 150

Trade Name	INCI Name	Length	Diameter	Shape	Color	Notes
Natural Fibers						
CELL-U-LASH™ 40	Cellulose	20-25µm	1-2µm	Conventional fiber strands	White	Natural; Hydrophilic; Volumizing; Soft Focus
CELL-U-LASH™ 90		60-75µm				Natural; Hydrophilic; Lengthening
CELL-U-LASH™ 150		80-110µm				

Synthetic **Nylon** fibers are commonly used in mascara and eyebrow products for lengthening and volumizing effects.



SEM Image: HEART FIBER 15T

Trade Name	INCI Name	Length	Diameter	Shape	Color	Notes
Nylon Fibers						
KNY-3D	Nylon-66 (And) Titanium Dioxide	1.2mm	3 Denier	Fiber of uniform length	White	Synthetic
<small>New</small> HEART FIBER 15T-1MM	Nylon-6 (And) Silica	1mm	13.5 Denier	Unique "heart" shape; Hollow	White	Synthetic
<small>New</small> HEART FIBER 15T-2MM		2mm				
<small>New</small> N-6 ARCH 3.3T0.3	Nylon-6	0.24-0.33 mm	3.3 Decitex	Fiber; Triangular with round edge cross section	White	Synthetic; Volumizing, long lash and curl
<small>New</small> N-6 ARCH 3.3T1		0.8-1.1 mm				
<small>New</small> N-6 ARCH 3.3T2		1.6-2.2 mm				

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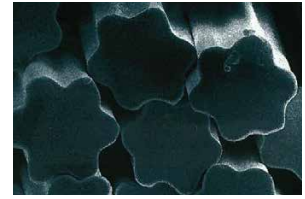
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Fibers

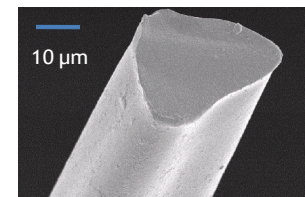
Colored Nylon Fibers containing Black Iron Oxide are available. They are especially effective in promoting lengthening properties in Mascara and Eyebrow products while contributing to and enhancing the overall color effect of the product.



SEM Image: SPLASH FIBER II

Trade Name	INCI Name	Length	Diameter	Shape	Color	Notes
Colored Nylon Fibers						
SPLASH FIBER II 7T-1MM	Nylon-6 (And) Iron Oxides (CI 77499) (And) Silica	1mm	6.3 Denier	Unique "flower" shape	Black	Synthetic
SPLASH FIBER II 7T-2MM		2mm				

Synthetic fibers made from **Polypropylene** or **Polyethylene Terephthalate**. Can be used for lengthening and volumizing effects in mascara and eyebrow products or to achieve a soft focus effect in powders, color and skin care emulsions, and lipsticks.



SEM Image: Prismatic Powder

Trade Name	INCI Name	Length	Diameter	Shape	Color	Notes
Polypropylene Fibers						
PP FIBER 6D05	Polypropylene (And) Silica	0.5mm	5.6 Denier	Short Fibers	White	Synthetic
PP FIBER 6D2		2mm				
Polyethylene Terephthalate Fibers						
PRISMATIC POWDER BB35C30	Polyethylene Terephthalate	20µm	30µm	Triangular cross section fiber; Fibrous powder	White	Synthetic; Fit wrinkles and fine lines on the skin; Soft Focus
PRISMATIC POWDER BB35C150			150µm			

Fibers

Volumizing and Lengthening Long-Wearing Mascara with CELL-U-LASH™

Formula KMA-038B

Part 1

- Beeswax White SP 422 - Strahl & Pitsch: 8.00%
Beeswax
- Ozokerite Wax White SP 1020 - Strahl & Pitsch: 5.00%
Ozokerite
- Carnauba Wax SP 63 - Strahl & Pitsch: *Copernicia Cerifera (Carnauba) Wax* 3.00%
- Dermofat 4919 - Alzo International Inc.: 3.00%
Stearic Acid
- Microcrystalline Wax SP-89 - Strahl & Pitsch: 3.00%
Microcrystalline Wax
- **KOBOGUARD® 5400 SQ** - Kobo Products: 2.00%
Hydrogenated Polycyclopentadiene (And) Squalane
- Liposorb® SQO - Vantage: *Sorbitan Sesquioleate* 1.00%

Part 2

- *Deionized Water* 39.95%
- **W60BBNFAP-O** - Kobo Products: 12.00%
Iron Oxides (CI 77499) (And) Water (And) Ammonium Polyacrylate
- Triethanolamine 99 - Dow Chemical Company: 1.00%
Triethanolamine
- Natrosol® 250 HHR CS - Hercules/Aqualon: 0.30%
Hydroxyethylcellulose

Part 3

- **CELL-U-LASH™ 40** - Kobo Products: *Cellulose* 2.50%
- **CELL-U-LASH™ 90** - Kobo Products: *Cellulose* 2.50%

Part 4

- *Deionized Water* 1.00%
- Glydant Plus™ - Lonza Inc.: *DMDM Hydantoin (And) Iodopropynyl Butylcarbamate* 0.60%
- Germall® 115 - ISP: *Imidazolidinyl Urea* 0.15%

Part 5

- **WSJ22BNF-O** - Kobo Products: *Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77499) (And) Sodium Acrylate/ Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol* 15.00%

Manufacturing Procedure

1. Heat Part 1 to 80°C in auxiliary tank.
2. In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2. Heat to 80°C.
3. Add Part 1 to Part 2 in main tank under homogenizer at 80°C. Homogenize 15 minutes.
4. Switch to mixing and cool batch to 50°C.
5. Add Part 3 ingredients at 50°C.
6. Add Part 4 at 50°C.
7. Add Part 5 at 45°C
8. Cool to 25-27°C.

Description

This mascara contains CELL-U-LASH™ 90 to impart length and CELL-U-LASH™ 40 to provide volume. Kobo resin composite, KOBOGUARD® 5400 SQ, gives a quick build up with water-resistant film, and aids in long wear. Kobo's Pigmentary Dispersions, W60BBNFAP-O and WSJ22BNF-O, are used in combination to provide a deep black shade. The WSJ dispersion has film-forming properties.

Radiance Lotion with PRISMATIC POWDER BB35C30

Formula KFL-013B

Part 1

- TMF-1.5 Shin Etsu Silicones: *Methyl Trimethicone* 15.00%
- ELEMENT14 PDMS 5-A-Momentive: *Dimethicone* 5.20%
- Net-WO - Barnet Products Corp.: 3.50%
Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Distearidimonium Hectorite

Part 2

- *Deionized Water* 64.35%
- Isoprene Glycol - Barnet Products Corp: 5.00%
Isopentylidial
- Sodium Chloride - Morton Salt: *Sodium Chloride* 1.50%
- Phenoxyethanol - Clariant: *Phenoxyethanol* 0.30%
- Germall® 115 - ISP: *Imidazolidinyl Urea* 0.15%

Part 3

- **PRISMATIC POWDER BB35C30**-Nikko/Kobo Products: 5.00%
Polyethylene Terephthalate

Manufacturing Procedure

1. In a container, add Part 1 ingredients in order. Disperse using homogenizer.
2. In a container, add Part 2 ingredients in order.
3. Add Part 2 to Part 1 slowly using homogenization.
4. Add Part 3 to Parts 1 and 2, using homogenizer.

Description

This formula contains PRISMATIC POWDER BB35C30 which provides light-scattering effect and helps decrease visible wrinkles and fine lines.

KOBO

www.koboproducts.com

Fibers

Lengthening Mascara with KNY-3D

Formula KMA-025A

Part 1

- Beeswax White SP 422 - Strahl & Pitsch: *Beeswax* 8.00%
- Ozokerite Wax White SP 1020 - Strahl & Pitsch: *Ozokerite* 7.00%
- Carnauba Wax SP 63 - Strahl & Pitsch: *Copernicia Cerifera (Carnauba) Wax* 3.00%
- Dermofat 4919 - Alzo International Inc.: *Stearic Acid* 3.00%
- Microcrystalline Wax SP-89 - Strahl & Pitsch: *Microcrystalline Wax* 3.00%
- **KOBOGUARD® 5400 SQ** - Kobo Products: *Hydrogenated Polycyclopentadiene (And) Squalane* 2.00%
- Liposorb® SQO - Vantage: *Sorbitan Sesquioleate* 1.00%

Part 2

- *Deionized Water* 40.45%
- **W60BBNFAP-O** - Kobo Products: *Iron Oxides (CI 77499) (And) Water (And) Ammonium Polyacrylate* 11.00%
- Triethanolamine 99 - Dow Chemical Company: *Triethanolamine* 1.00%
- Natrosol® 250 HHR CS - Hercules/Aqualon: *Hydroxyethylcellulose* 0.30%

Part 3

- **KNY-3D** - Kobo Products: *Nylon-66 (And) Titanium Dioxide* 2.00%
- **DSPCS-I2** - Kobo Products: *Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate* 1.50%
- *Deionized Water* 1.00%
- Glydant Plus™ - Lonza Inc.: *DMDM Hydantoin (And) Iodopropynyl Butylcarbamate* 0.60%
- Germall® 115 - ISP: *Imidazolidinyl Urea* 0.15%

Part 4

- **WSJ22BNF-O** - Kobo Products: *Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (CI 77499) (And) Sodium Acrylate/ Sodium Acryloyldimethyl Taurate Copolymer (And) Aminomethyl Propanol* 15.00%

Manufacturing Procedure

1. Heat Part 1 to 80°C in auxiliary tank.
2. In Part 2 while heating, add Natrosol® 250 HHR CS to deionized water under propeller mixing. Mix until Natrosol® 250 HHR CS is fully hydrated. Add the rest of Part 2. Heat to 80°C.
3. Add Part 1 to Part 2 in main tank with propeller and sweep agitation at 80°C.
4. Cool to 50°C.
5. Add Part 3 ingredients at 50°C.
6. Add Part 4 at 45°C.
7. Cool to 25-27°C.

Description

This mascara features Kobo's Nylon Fiber, KNY-3D, which gives a lengthening effect, while Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash without weight. Kobo's Resin Composite, KOBOGUARD® 5400 SQ, gives a quick build up with a water-resistant film and aids in long wear. Kobo's pigmentary dispersion, W60BBNFAP-O, is used in combination with WSJ22BNF-O to provide a deep black shade. The WSJ dispersion has film-forming properties. Both dispersion help to ease the manufacturing process.