

# Fibers

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 750µm; 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.

## Cellulose Fibers

Trade Name	INCI Name	Length (µm)
CELL-U-LASH 40*	Cellulose	20-25
CELL-U-LASH 90*	Cellulose	60-75
CELL-U-LASH 150*	Cellulose	80-110
CELL-U-LASH 750*	Cellulose	600-750

Kobo offers a variety of synthetic fibers made from Nylon, Polypropylene and Polyethylene Terephthalate. Nylon and Polypropylene fibers are commonly used in mascara and eyebrow products for lengthening and volumizing effects. Polyethylene Terephthalate fibers can be used to achieve a soft focus effect in powders, color and skin care emulsions, and lipsticks.

## Nylon Fibers

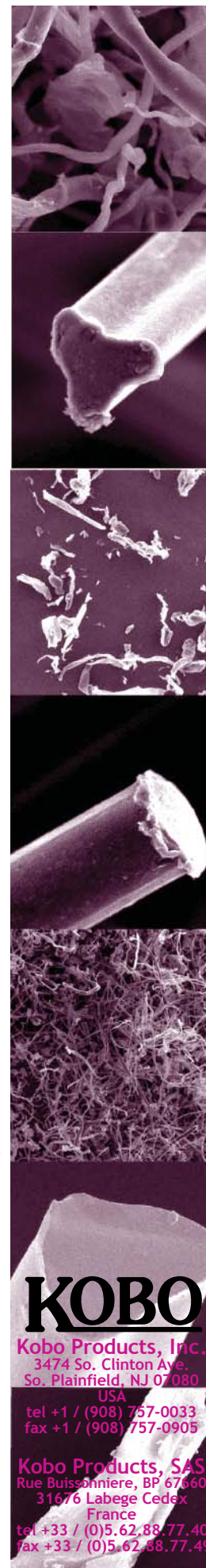
Trade Name	INCI Name	Length (mm)	Thickness (D)
NYLON CUT FIBER 6D	Nylon-66 (And) Titanium Dioxide (And) Silica	2	6
NYLON-66 FIBER 20D	Nylon-66 (And) Titanium Dioxide	2	20
NYLON-66 FIBER 3D	Nylon-66 (And) Titanium Dioxide	1.2	3
KNY-1.7*	Nylon-6 (And) Silica (And) Titanium Dioxide	1	1.5

## Polypropylene Fibers

Trade Name	INCI Name	Length (mm)	Thickness (D)
PP FIBER 6D05	Polypropylene (And) Silica	0.5	5.6
PP FIBER 6D2	Polypropylene (And) Silica	2	5.6

## Polyethylene Terephthalate Fibers

Trade Name	INCI Name	Particle Size (µm)
PRISMATIC POWDER BB35C30	Polyethylene Terephthalate	20µm X 30µm
PRISMATIC POWDER BB35C150	Polyethylene Terephthalate	20µm X 150µm



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# Fibers

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

## Colored Nylon Fibers

Trade Name	INCI Name	Length (mm)	Thickness (D)
NFCB-10D-2T	Nylon-6 (And) Silica (And) Black 2	2	10
NFCB-10D-2R	Nylon-6 (And) Silica (And) Black 2	2	10
<small>New</small> NFCB-10D-4R	Nylon-6 (And) Black 2 (And) Silica	4	10
NFCB-17D-4T	Nylon-6 (And) Black 2	4	17
NFBL-10D-2R	Nylon-6 (And) Iron Oxides (C.I. 77499) (And) Triethoxycaprylylsilane (And) Silica	2	10
NFBR-10D-2R	Nylon-6 (And) Iron Oxides (C.I. 77499) (And) Iron Oxides (C.I. 77491) (And) Iron Oxides (C.I. 77492) (And) Silica	2	10
NFBR-10D-2T	Nylon-6 (And) Iron Oxides (C.I. 77499) (And) Iron Oxides (C.I. 77491) (And) Iron Oxides (C.I. 77492) (And) Silica	2	10

## Lengthening Mascara

Formula KMA-025

### 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 - Lipo Chemicals: *Sorbitan Sesquioleate* 1.00%
- Propyl Paraben NF - International Sourcing: *Propylparaben* 0.10%

### Part 2

- Deionized Water 40.15%
- W60BBNFAP - Kobo Products: *Iron Oxides (C.I. 77499) (And) Water (And) Ammonium Polyacrylate* 11.00%
- Triethanolamine 99 - Dow Chemical Company: *Triethanolamine* 1.00%
- Natrosol 250 HHR - Hercules/Aqualon: *Hydroxyethylcellulose* 0.30%
- Methyl Paraben NF - International Sourcing: *Methylparaben* 0.20%

### Part 3

- DSPCS-I2 - Kobo Products: *Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium Triisostearate* 1.50%
- KNY-1.7 - Kobo Products: *Nylon-6 (And) Silica (And) Titanium Dioxide* 2.00%
- Deionized Water 1.00%
- Jeecide CAP-5 - Jeen International: *Phenoxyethanol (And) Caprylyl Glycol (And) Potassium Sorbate (And) Water (And) Hexylene Glycol* 0.60%
- Germall® 115 - ISP: *Imidazolidinyl Urea* 0.15%

### Part 4

- WSJ2BNF - Kobo Products: *Water (And) Acrylates/Ethylhexyl Acrylate Copolymer (And) Iron Oxides (C.I. 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. Heat Part 2 to 80°C in main tank.
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 lengthening mascara features Kobo's nylon fibers, KNY-1.7, which give a lengthening effect while Kobo's Microsphere Complex, DSPCS-I2, is lightweight and provides volume to the lash without weight. It also contributes to ease in manufacturing. 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 Dispersions, W60BBNFAP and WSJ2BNF, are used in combination to provide a deep black shade and film-forming properties.

\*\*Please note not all products listed on this flyer are available globally, please contact your sales representative if you have questions. If marked with a (\*) it is globally available.\*\*

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