

Fumed Silica Gellants

Kobo Products conveniently offers a variety of specialty gellants, particularly a segment allocated to fumed silica. This high purity silica with aggregate length of approximately 0.3 microns is supplied to our clients in a pre-dispersed, homogenized form making it an easily manageable, dust free product. We offer an option of seven different dispersant media to choose from (including natural options of jojoba oil and castor oil) thus giving Kobo Products the ability to tailor to individual customer needs.

Fumed silica gels are characterized visually as clear, act as a viscosity boosting agent in liquid systems, and tend toward shear-thinning behavior. The high surface area, low bulk density of the fumed silica particulates

produce gellants with low solids content ranging from five to fifteen percent depending on the media.

From an applications perspective, these specialty products have the ability to facilitate shine making them excellent for use in lip gloss, lipstick and hot pours. Pigment suspensions, emulsions, and gels are other areas of favorable use for these products. Natural CO15M5 has been successfully used in Kobo Products formulations KLP-030B (High Shine Lip gloss) and KLP-032 (Natural Lip gloss) to achieve the goal of excellent wear and exceptional gloss in each case. Formula KLP-031 (High Shine Lip gloss) and KLP-055A (High Intensity Lipstick) are achievable using silica dispersion SW5M5 to provide added shine and stability.

Trade Name	INCI Name
CO15M5	Ricinus Communis (Castor) Seed Oil (And) Silica
DISM10M5	Diisostearyl Malate (And) Silica
DM57M5	Dimethicone (And) Silica
HL7M5	Hydrogenated Polyisobutene (And) Silica
IN7M5	Isononyl Isononanoate (And) Silica
JOS10M5	Simmondsia Chinensis (Jojoba) Seed Oil (And) Silica
SW5M5	Synthetic Wax (And) Silica

High Shine Lip Gloss

Formula KLP-030B

Part 1

- **CO15M5** - Kobo Products:
Ricinus Communis (Castor) Seed Oil (And) Silica 65.00%
- Castor Oil - Alzo International Inc.:
Ricinus Communis (Castor) Seed Oil 29.60%
- Ozokerite Wax White SP 1026P -
Strahl & Pitsch, Inc.: *Ozokerite* 5.00%
- **KTZ® CLASSIC WHITE** - Kobo Products:
Mica (And) Titanium Dioxide 0.30%
- **SW40R7C** - Kobo Products:
Synthetic Wax (And) Red 7 Lake (And) Isopropyl Titanium Triisostearate 0.10%

Manufacturing Procedure

1. Combine all ingredients and heat to 80°C.
2. Mix well until the wax is melted and color is fully dispersed.

Description

This formula includes CO15M5 to provide both excellent wear and super gloss. Kobo's Pigmentary Dispersion, SW40R7C, along with KTZ® CLASSIC WHITE, give excellent color development.



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