

Kaopolite™

Kaolin KR

QUALITY MINERAL PRODUCTS ENRICHING OUR DAILY LIFE

Kaopolite Kaolin KR is a naturally occurring hydrated aluminum silicate. Careful processing results in soft, fine particles suitable for use in a variety of personal care products. Kaopolite Kaolin KR has been specially designed for formulations where purity, bacteria control, and high whiteness are desired.

Add Kaopolite Kaolin KR to your face and body scrubs, masks, pressed powders, mascara, hair care products, and more today!

Applications

Face and body scrubs
Masks
Lotions/creams
Mascara
Hair care products
Pressed powders &
liquid foundations

Kaopolite Properties

Light • Cleansing effects
Odorless • Excellent absorbency
Excellent absorbency • Light scattering
Natural substitute for lacquers and shellac
Thickener
Opaque, white pigment • Adheres to skin
Oil resistant • Excellent absorbency

Consumer Advantages

Suitable for sensitive, dry, and mature skin types
Smooth, shapeable texture
Dry look and feel at end of rub out
Improved lash thickening
Increased volume
Reduced shine • Oil and perspiration blotting
Improved coverage • Increased wearability

personal care



kaopolite



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Typical Physical Properties

| | |
|----------------------------------|---------|
| Whiteness (L value) | 95 |
| Moisture (max. %) | 1.0 |
| pH (20% solids) | 4.2-5.2 |
| Median Particle Size (microns) | 0.6 |
| Oil Absorption | 40 |
| Wet Screen Residue (% +325 mesh) | <0.03 |
| Index of Retraction | 1.56 |
| Specific Gravity | 2.58 |
| Bulking Value (lb/solid gallon) | 21.66 |
| Brightness (%) | 88 |

Kaopolite Kaolin KR meets the requirements of USP 24, The United States Pharmacopeia.

INCI NAME: Kaolin



Dry Finish Cream Formulation

| Ingredients | Weight % |
|-----------------------------|-----------------|
| Lauryl Dimethicone | 5.00 |
| Dimethicone | 1.00 |
| Cyclomethicone Pentamer | 29.00 |
| Sorbeth 2 Hexaoleate | 5.00 |
| Kaopolite™ Kaolin KR | 10.00 |
| Cetyl Hydroxyethylcellulose | 0.50 |
| Water | 46.50 |
| Propylene Glycol | 2.00 |
| Sodium Chloride | 1.00 |
| | 100.00 |

1. Heat the water to 95°C, add cetyl hydroxyethylcellulose while mixing and continue mixing until the cetyl hydroxyethyl cellulose is completely dispersed and the solution is clear.
2. Add lauryl dimethicone, dimethicone, cyclomethicone, and sorbeth 2 hexaoleate to main processing vessel and mix until uniform.
3. Add propylene glycol and salt to the cetyl hydroxyethylcellulose solution and mix until uniform.
4. Add the water phase to the main processing vessel with high speed mixing.
5. Add Kaolin KR and continue mixing until uniform.

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