Velvesil E-Gel PMF Emulsion

Description

Velvesil E-Gel PMF emulsion is a unique silicone crosspolymer network that can help deliver consumer perceivable emollient and cushioning feel to applications such as skin care, hair care, color cosmetics and body wash. A white liquid containing ~30% crosspolymer, Velvesil E-Gel PMF emulsion exhibits shear thinning behavior that enables cosmetic products to spread easily during application, making it an excellent candidate for anti-aging, sunscreen and moisturizing cosmetic formulations.

INCI name

Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone (and) Isohexadecane (and) Cetearyl Methicone

Key Features and Typical Benefits

- Excellent dispersibility in water-based systems
- Cushioning, no balling and substantial after-feel on skin
- Optical properties: soft focus
- SPF booster
- D4 < 1000 ppm
- D5 < 1000 ppm
- Non-paraben and Non-MIT food grade preservative

Typical Physical Properties

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### Characteristics

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Typical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White liquid</td>
</tr>
<tr>
<td>Particle Size, μm</td>
<td>3</td>
</tr>
<tr>
<td>Crosspolymer Content, %</td>
<td>30</td>
</tr>
<tr>
<td>Solids Content, %</td>
<td>50</td>
</tr>
<tr>
<td>Viscosity, cPs</td>
<td>5000</td>
</tr>
<tr>
<td>pH</td>
<td>4-6</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>1 year</td>
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</tbody>
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Typical properties are average data and are not to be used as or to develop specifications.

### Potential Applications

- **Facial Care**
  - Masks
  - Toners
  - Essence
  - Serum
  - Creams
  - Lotions
  - Tone brightening cream
- **Sun Care**
  - Sunscreens
  - Daily wears
- **Color Cosmetics**
  - BB and CC creams
  - Foundations
  - Concealers
- **Hair Care**
  - Shampoo
  - Conditioner
  - Leave on cream/essence/serum/spray

### Current Availability

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### Patent Status
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Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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**Contact Information**
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For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)
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