



## Polytrap 6035 Cyclomethicone Delivery System

**Description:** A free-flowing white amorphous polymeric powder highly loaded with volatile silicone. Provides exceptional rubout and elegance when incorporated into personal care and cosmetic formulations, while extending the availability of the silicone on the skin after application. The prolonged availability of the cyclomethicone helps improve the consumers' perception of softness and provides a favorable, long lasting sensory cue of the cosmetic or toiletries product use. After application, the remaining polymer particles have the ability to adsorb excess skin oils, thus providing extended use benefits such as extended color in lipsticks and facial make-ups and mattifying and shine reduction in facial cleansers, moisturizers, and treatment products.

| Typical Properties       |   |
|--------------------------|---|
| Composition (INCI Name): | Cyclomethicone (AND) Lauryl Methacrylate/Glycol Dimethacrylate Crosspolymer |
| Particle Size:           | 100% passes thru 325 mesh   |
| Cyclomethicone level:    | 80% w/w   |
| Appearance:              | Amorphous, free flowing powder  |
| Solubility of polymer:   | Insoluble   |

### Benefits

- Aids incorporation of cyclomethicone in a broad range of products including gels and powders
- Provides sebum control in all types of formulations including lotions, gels, o/w and w/o emulsions, and both loose and pressed powders

### Typical Applications

- ❖ Facial Cleansers requiring improved elegance and luxurious after feel
- ❖ Skin Care including anti-aging products, acne care, moisturizers, and oil control treatments
- ❖ Color Cosmetics including loose and pressed powders, body powders, liquid make-ups
- ❖ Toiletries, including deodorants, body lotions, sunscreens, baby care products
- ❖ Other personal care sticks and gels

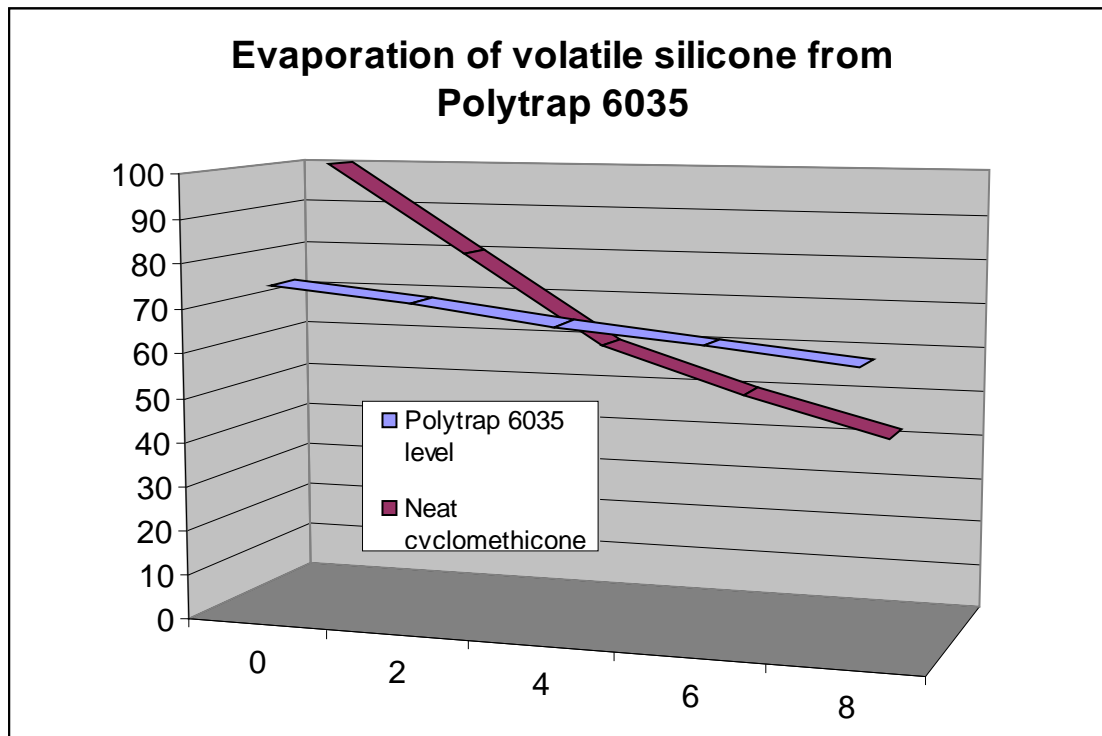
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2870 Forbs Avenue, Hoffman Estates, IL 60192 - USA - Tel: 847.851.1500 | Fax: 847.851.1210

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**Product Performance:** Polytrap 6035 was compared to untrapped cyclomethicone as a demonstration of its long lasting effects. While at least 95% of the original cyclomethicone level is available, as shown below, the Polytrap 6035 serves to prolong the availability of it on the skin, extending the soft after feel, commonly seen with the use of silicones.



**Formulation Tips:** Polytrap 6035 can easily be incorporated into a gel or an O/W system by simple powder dispersion techniques. For emulsions, dispersion is best into the aqueous phase or preferably, after the emulsion is formed. The polymer is not sensitive to shear and is able to be processed using standard mixing equipment. After application on the skin, the cyclomethicone is available to the skin.

**Recommended use levels:** 3 -10%.

**Packaging:** Polytrap 6035 is supplied in 90.7 kg (200 lb), and 6.8 kg (15 lb) containers.

**Storage and shelf life:** When stored in unopened in a dry environment, Polytrap 6035 has a shelf life of 24 months from the date of manufacture.