



Polytrap 6603 Adsorber

Description: A free-flowing white amorphous polymeric powder that adsorbs high levels of lipophilic materials while providing an elegant skin feel. Polytrap 6603 is capable of providing a variety of functional benefits to topical formulations used in personal care products.

STRUCTURE: Polytrap 6603 consists of unit particles of less than one micron, which are associated into agglomerates of 20 -80 microns. These agglomerates are electrostatically aggregated into macroparticles 200 -1200 microns in size. Since these aggregates are weakly associated, Polytrap 6603 breaks down upon rubbing on the skin – conveying a lubricous skin feel and allowing the particles to “disappear” on the skin.

Typical Properties	
Composition (INCI Name):	Lauryl Methacrylate/Glycol Dimethacrylate Crosspolymer
Particle Size:	200 - 400 μm
Appearance:	Amorphous, free flowing powder
Bulk Density:	0.075 g/cc
pH Stability of polymer:	3 – 11
Solubility of polymer:	Insoluble

Benefits

- Provides ability to highly load liquid emollients into powder formulations, providing the benefits of liquids with the convenience of powders
- Minimizes creasing and bleeding after application of lipsticks and eye products – extending their wear life.
- 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

- ❖ Skin Care including anti-aging products, acne care, moisturizers, and facial masks
- ❖ Color Cosmetics including loose and pressed powders, body powders, liquid make-ups
- ❖ Fragrances
- ❖ Toiletries, including deodorants, body lotions, sunscreens, baby care products