



Mayzo Custom Solutions- Benetex® Optical Brighteners- optimized to improve customer manufacturing efficiency

- 1. Benetex OB Plus - ultra fine powder**
- 2. Benetex OB-D - pre-dispersed in customer-designated dispersants**

Mayzo has a family of Optical Brighteners (OB) for use in adhesives, coatings, inks and sealants. Optical Brighteners are used:

- to increase whitening/brightening of white or clear coatings, sealants and inks
- as a tracer to QC coating thickness of adhesives and coatings
- to provide a fluorescent effect or security feature on labels

Mayzo Custom Solutions

Application Examples:

- 1. Benetex OB Plus** an ultra-fine particle size product is used in **plastisol screen printing ink, in order to eliminate the need to mill** the OB, (in order to disperse the product more easily during manufacturing.) **Mayzo provides tight quality control** to help ensure that customer's achieve process efficiency. **Customers can save 8-24 hours**, by not having to mill. This represents a huge savings through increased productivity. Also, their screen printing customers' need a fine particle size to prevent screen blockage. Therefore, Mayzo's Benetex OB PLUS ultra-fine particle size, **can offer our customer's customer, the screen printer, a benefit in productivity by decreasing screen cleaning.**

Summary of Benefits of **Benetex OB Plus**:

- Reduction in processing time –no need to mill product
- More uniform coverage in the final product
- A benefit to our customers' customer in increased productivity due to less maintenance down-time

2. A customer who manufactures **acrylic clear coat** and sells to printing companies, requested that Mayzo provide a **Mayzo Custom Solution** of Benetex OB dispersed in their acrylic monomer. Typical coating systems are combinations of monomers, oligomers, UV photo-initiators and additives used in combination to achieve the desired performance properties.

The dispersions that we currently offer are based upon TMPTA This pre-dispersed OB comes in a **ready-to-use customer specific dispersion, to save even more time by not having to mix and disperse the OB during manufacturing and can therefore increase clear coat manufacturing productivity.**