



COMPETE[®] COLORANTS & ADDITIVES AND
SOLUTIONS FOR PET

PRODUCT SELECTION GUIDE





POLYONE'S MARKET COMMITMENT TO PET

PolyOne® has invested substantial resources to provide you with the most diverse array of products and services in the marketplace today for polyethylene terephthalate (PET). You can get your products to the market faster with our quick, accurate color matches and our just-in-time delivery of standard products. We can help your operation run efficiently with our unmatched professional technical support and key auxiliary equipment. In short, our offering is geared toward your needs and helping you achieve your goals.

Shown above: Hanna FX® Frost in PET bottles



COMPETE® CUSTOMIZED COLORANTS FOR PET

PRODUCT LINE	FEATURES & BENEFITS
ComPETe T	<ul style="list-style-type: none"> ▶ Standard pellets or mini-beads Pellet counts from 40-880 pellets per gram ▶ Improved color dispersion ▶ Non-dusting ▶ Easily processed in opaques and transparents ▶ Loading rates 2%-4%
ComPETe F	<ul style="list-style-type: none"> ▶ Freez-Dri™ flakes ▶ Wax carrier ▶ Improved processing window of PET ▶ Excellent dispersion in transparents ▶ Loading rates 0.01%-1%
ComPETe L	<ul style="list-style-type: none"> ▶ Liquid ▶ Reduces color changeover time ▶ Loading rates 0.01%-0.5%

ComPETe colorants are custom-formulated color concentrates designed to meet the demanding requirements of PET and PETG resins. They require minimal adjustments from neat PET processing parameters, and some concentrates will actually improve process performance over natural PET. ComPETe colorants are suitable for injection blow molding, injection stretch molding, engineered blow molding, and injection molding processes.

Because the industry has a broad range of equipment and a variety of requirements, the ComPETe product line has evolved into 3 different forms. Choose the colorant form for optimal performance with your process.

COMPETE® STANDARD COLORANTS & ADDITIVES FOR PET

PolyOne has created a line of more than 30 standard ComPETe process-proven colors, effects, and additives for PET applications. If you need quick just-in-time delivery of colors such as Soda Bottle Green, Water Bottle Blue, Cobalt Blue, and Amber, PolyOne has the solution. We can also mix and match the off-the-shelf components into literally millions of colors and effects very rapidly.

All ComPETe standard concentrates are supplied in PET or PET-compatible carriers. Most of the standard concentrates are available in all three ComPETe forms: T, F, and L. ComPETe standard colorants and additives are suitable for injection blow molding, injection stretch molding, engineered blow molding, and injection molding.

To obtain the latest listing of ComPETe standard concentrates or to order a color chip or bottle sample, call us at **1.866.POLYONE**.





JUGADAPTER™ COLORANT FEEDING SYSTEM*

There's now a cleaner solution to metering PET colorants and avoiding the mess of colorant spillage seen with typical hopper systems. The JugAdapter feeding system easily replaces the standard colorant hopper of the popular Movacolor™† colorant feeder and allows a 2.5-gallon jug of colorant to be attached.

BENEFITS OF USING JUGADAPTER

- ▶ Virtually eliminates colorant spillage, saving you money.
- ▶ Allows faster and cleaner color changeovers.
- ▶ Increases plant safety by providing easier access to the hopper.
- ▶ Extends time between typical hopper refills (one jug of colorant can last up to a week depending on usage rate).
- ▶ Gives a visual level reference because ComPETe colorants are supplied in see-through containers.
- ▶ Shut-off gate lets you determine precisely when a color production run is complete.
- ▶ Allows you to use prefilled jugs of material, which become the hopper.
- ▶ Its hinged mechanism allows unused material to drain back into the jug.

*Patent Pending

†Movacolor (Netherlands) distributed in North America by Romax Inc.



PROTOTYPE BLOW MOLDED COLOR MATCHES



If you are tired of interrupting your production process with several iterations to get a color match approved, PolyOne has a solution. PolyOne can quickly prototype blow molded bottle samples in your color using our Aoki 100LL-20 stretch blow molding machine.* This service is especially useful for giving you physical examples that are a much more accurate representation of the final part appearance. Bottles from the Aoki 100LL-20 stretch blow molding machine are sent directly to the molder or OEM for approval, eliminating expensive production interruptions for sample production, which dramatically reduces the approval process time and greatly increases the speed to market.

BENEFITS OF PROTOTYPE BLOW MOLDED COLOR MATCHES

- ▶ Eliminating production interruptions for color sampling saves you money and time.
- ▶ Fewer iterations mean less of your time is needed for color approval.
- ▶ Concentrates are proven to work under blow molding conditions.
- ▶ Approving final color in production-quality bottles eliminates the guesswork with color chips.
- ▶ We can produce three wall thicknesses (10, 20, and 30 mil) to simulate three let-down ratios.
- ▶ Use our prototype bottles to establish a target color as well as light and dark limits.
- ▶ Quick-change tooling means prototype bottles can be customized with your specified blow pin, cavity, and neck splits.

In addition to color matching, our Aoki blow molding machine is available to perform short prototype production runs. For availability and service charges, call us at **1.866.POLYONE**.

*Aoki Technical Laboratory, Inc. (Nagano-Ken, Japan)



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That is our mission at PolyOne, and we fulfill it by delivering premium-quality products and services, which our customers use to enhance their own products. We believe no competitor can match our technical expertise because no workforce can outperform the people of PolyOne. Our people are ONE team working together – our strength and our pride. Their skills, passion, and dedication are shaping a potent industry leader, a concerned corporate citizen, and a great place to work.

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