

A vertical strip on the left side of the page displays several overlapping, semi-transparent color swatches in various shades including purple, blue, yellow, orange, and brown. The swatches are arranged in a layered, geometric pattern.

IMPROVED TRANSPARENCY FOR POLYPROPYLENE APPLICATIONS

PolyOne's OnColor™ PProTint™ Colorants provide clarity in a wide range of polypropylene end-use applications. PProTint Colorants are formulated to mask the haze caused by polypropylene resin over multiple heat histories.

KEY CHARACTERISTICS

OnColor PProTint Colorants do not contain dyes and, as a result, have improved light stability and don't bleed, creep or migrate. PProTint Colorants are available in the following standard colors:

- ▶ Lemon
- ▶ Shamrock
- ▶ Tropical punch
- ▶ Raspberry
- ▶ Licorice
- ▶ Ocean blue
- ▶ Royal blue
- ▶ Root beer
- ▶ Tangerine

In addition, PProTint Colorants can be custom-formulated in virtually any hue and are available in FDA-approved concentrates.

PPROTINTPLUS™ COLORANTS

The PProTint Colorant product line has been enhanced to include PProTintPlus™ Colorants, which provide remarkable transparency for clarified polypropylene end-use applications. PProTintPlus Colorants enable processors to benefit from the technical and physical properties of clarified polypropylene without sacrificing clarity and transparency. PProTintPlus Colorants can be customized to meet your target color.

ADDITIONAL PRODUCT INFORMATION

For all PProTint products, clarity depends on the resin type, amount of colorant, part thickness and part surface. A thin, glossy part results in the best clarity. To ensure even color distribution, we recommend a letdown ratio of 50:1 or 2%. Letdown ratios of 25:1 (4%) can be used to achieve weaker tints. Ratios as low as 100:1 (1%) and 200:1 (0.5%) are possible, but require good metering and mixing equipment.

MARKETS AND END-USE APPLICATIONS

Available as pellets, PProTint Colorants can be used in most thermoplastic applications such as injection molding applications. Typical end-uses include:

- ▶ Toys
- ▶ Food packaging
- ▶ Housewares including children's drink cups and products for infants
- ▶ Pharmaceutical and nutraceutical packaging

For more information on PProTint Colorants and PolyOne's complete line of OnColor™ colorants and OnCap™ additives, visit our Web site at www.polyone.com or call us at **1-866-POLYONE**.



PolyOne's PProTintPlus Colorants (bottle on left) provide outstanding transparency when used in clarified polypropylene applications, compared to competitive products (bottle on right).

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At PolyOne, we deliver 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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