Zeodex Colorants Non-Warping Transparent Colors

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OMPF – Organo-Mineral Pigment Filler

- At 1.0% Zeodex Colorant the following step chips contain only 0.02% of the colorant while the remainder of the colorant is reinforcement that increases tensile and flexural modulus of the plastic.
- Zeodex Colorants have been tested in styrenics, polyolefins, condensation polymers like PET and Nylon with great success. Excellent heat stability and non-warping characteristics with good light stability are features of these economically priced colorants.

High Density Polyethylene

Injection Molded Step Chips

Sky Light Photo-Transparency



Sky Light Photo Blue 104 Masstone vs Tint



Blue 424 Masstone Vs Tint



Blue 84 Masstone Vs. Tint



Zeodex Blue Series HDPE White Backing Photo



Blue 104 vs Blue 84 in PET



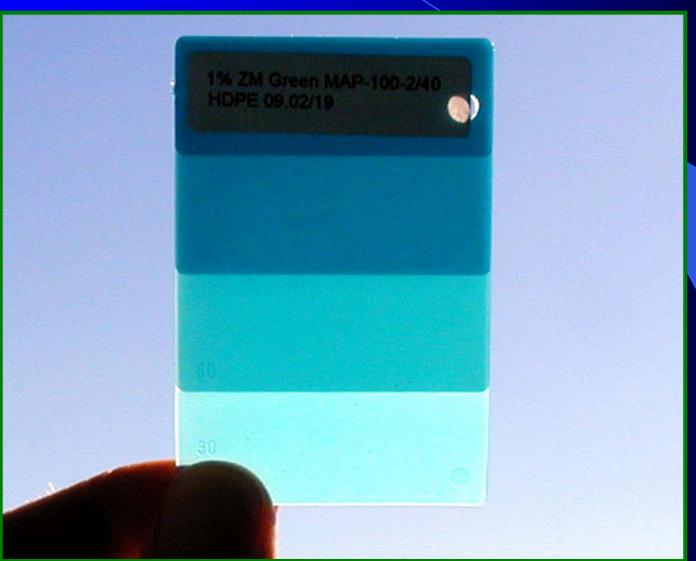
Blue Colorants in HDPE vs PET



Zeodex Green Shade 54



Zeodex Green MAP in HDPE



Zeodex Green Shades in HDPE



Yellow Green Shades



Green Shades White Backing



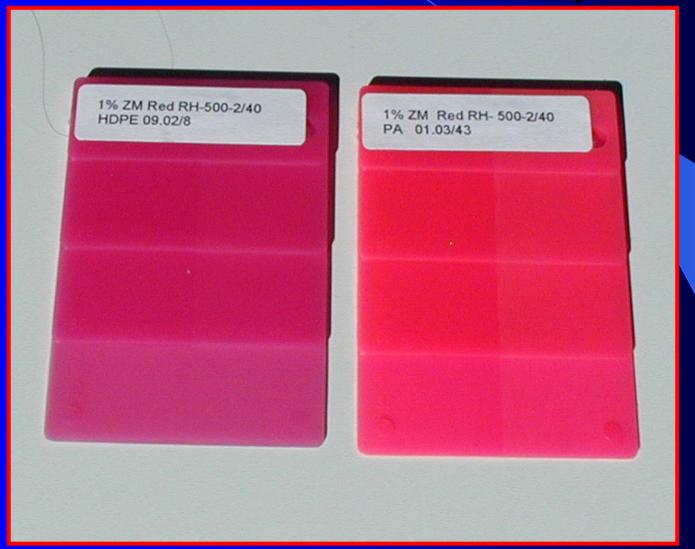
Zeodex Red 46 vs RH in HDPE



Zeodex Red 46 & RH on White Backing



Red RH in HDPE vs. Nylon 6



Zeodex Violet 84 Masstone Vs. Tint



Zeodex Violet 114 Masstone Vs. Tint



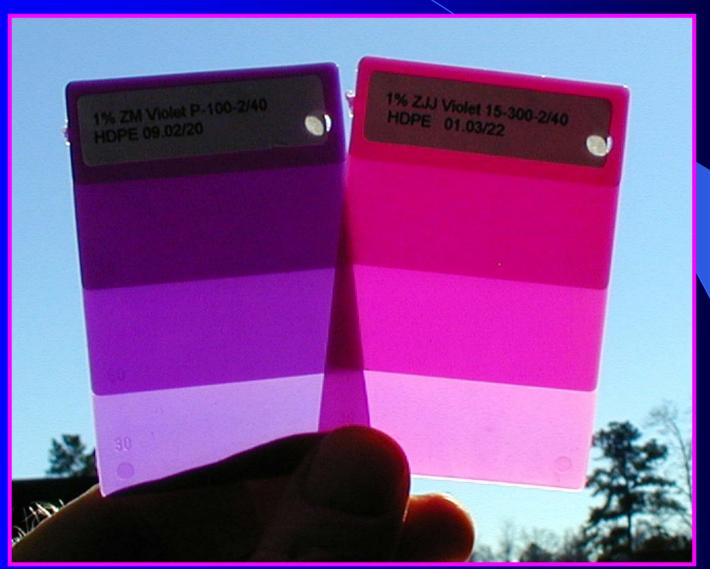
Zeodex Violet 6B4 Masstone vs. Tint



Zeodex Violet 484 Masstone vs. Tint



Zeodex Violet P & Violet 15



Zeodex Violet 114 PET vs. Polystyrene



Violet Series in HDPE White Backing







Violets in PET, PS; HDPE





Zeodex Yellow 29 - HDPE



Zeodex Yellows AV, 51 and 13 in HDPE



Zeodex Yellows Sun Light



Zeodex Yellow Series HDPE White Backing



1% ZA Yellow 29-200-5/40 HDPE 01.03/45 1% ZJJ Yellow 29-200-7/10 HDPE 01.03/4 1% ZM Yellow 13-250-2/40 HDPE 09.02/4 1% ZJJ Yellow 51-400-2/40 1% ZM Yellow AV 130-2/40 HDPE 01.03/23 HDPE 09.02/3

Q: I have a SAN based formulation coloured with special effects pigments to obtain a pearlescent effect. I've tried to duplicate this formulation in lighter colour by addition of titanium dioxide on ABS. Unfortunately I couldn't obtain the same effect. Can you explain me why, and eventually potential solutions?

A: In general, pearlescent pigments are small mica platelets capable to partly transmit and partly reflect light. As these platelets are oriented and are organized in layers into the polymer, these pigments can provide complex 3D effects. Unfortunately, if the polymer matrix is opaque, you will loose the benefits of these pigments and only reflection at the surface will be possible.

Addition of titanium dioxide acting as a strong opacifier as well as the use of opaque ABS will not give this 3D effect. For this reason we recommend you first to stick with transparent polymers and second to avoid as much as you can the use of pigments such as TiO2. The use of transparent colorants is recommended.