

TintMask[®]

UPGRADE YOUR RPET

Today's PET packaging professionals are all aboard the circular train by using more recycled PET to help close the loop. There is a problem though... the color of the recycled PET. But HCA's TintMask concept can neutralize the color cast.

THE COLOR ISSUES WITH RPET

While virgin PET is clear, recycled PET comes in a variety of color shades and corresponding prices. These color differences are caused by remainders from their previous lives influencing the value of the recycled material. The more clear the recycled plastic is, the higher the value and the higher the price. The average consumer does not accept an rPET bottle or container being yellowish. This is associated with contaminated material, gives a negative association and reduces material value.

HOLLAND COLOURS HAS THE SOLUTION...

An undesirable color cast can be neutralized by means of adding an opposite colorant, also known as a toner, in the melt processing step. The melt processing step could take place at a recycling facility but also at a (packaging) converter. By addition of the right amount of opposite colorant the rPET will be as close to virgin PET as possible from a coloristic point of view. However, depending on the starting value of the input material, the L*-value will always be affected. HCA's color neutralization toners will not sublime in a high vacuum process. Our TintMask products have been designed for use in rPET and are in regulatory compliance with EU and FDA directives.

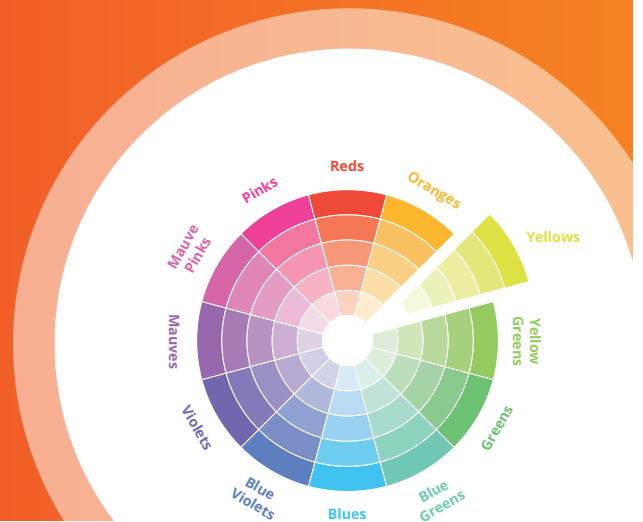
TINTMASK PRODUCT FORMATS

TintMask is available in a liquid and solid format. Depending on customer requirements, the solid format is available in a wax or polymeric carrier. The unique wax-based carrier combines best of both liquid and solid worlds. The product handles like a solid with a long shelf life and disperses like a liquid in the melt.

Please ask your local HCA representative for advice.

HOW TO APPLY TINTMASK?

Holland Colours' TintMask can be used in recycled PET, whether the material is flake or granule, and dosed directly in-line, either on the extruder during the melt-compounding process, at the preform molder, or at the sheet and fiber extruder.



FIND OUT MORE

Contact our sales people about purchasing quantities and deliveries or our technical experts for questions about our technology and its implementation:

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