

GLOBAL COLORS

OFFICIAL NEWSLETTER



SHARING OUR INSPIRATION

What is new in Global Colors Group

Global Colors is an international Group serving the plastics industry with high quality masterbatches. It assures competitive solutions and localized service with 7 production plants in strategic locations, in Greece, Romania, Poland, Russia & Turkey.

Moving towards a sustainable future while providing solutions that lead to our customers' success is important for us. In this newsletter, we share our latest news about Global Colors Group and interesting cases on product development.

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ETHYLENE ABSORBER MASTERBATCH

DEVELOPED FOR FLEXIBLE PACKAGING

Kritilen® EA 51 is a unique ethylene absorber masterbatch for flexible packaging films, commonly used for fruits and vegetables **shelf life extension**.

At let down ratios of 4% – 8%, Kritilen® EA 51 provides:

- ✓ ethylene scavenging properties in the final packaging film
- ✓ increase of packaged fruit lifetime up to 40%
- ✓ reduction in wasted fruits and vegetables

Banana samples packed with LDPE film without additives and LDPE film with 4% Kritilen® EA 51 - **DAY 16**



PACKED IN LDPE FILM WITHOUT ADDITIVES



PACKED IN LDPE FILM CONTAINING 4% KRITILEN® EA 51

KRITILEN® NC191 PREMIUM NUCLEATING AGENT

It is a unique β -nucleator masterbatch for polypropylene injection molding and thermoforming applications.

At let-down ratios of 2% – 5% in polypropylene, Kritilen® NC191 provides:

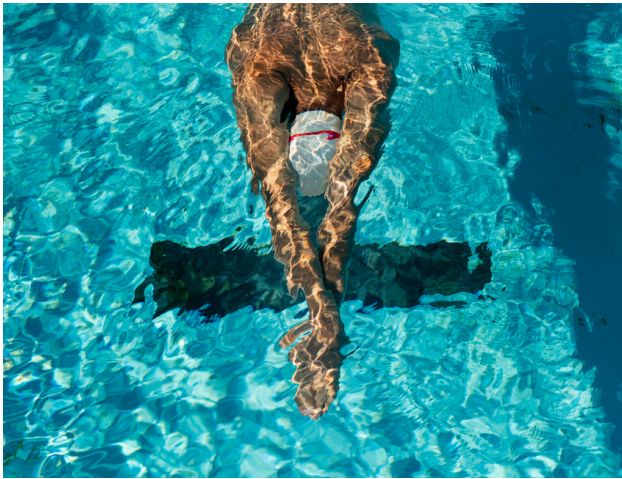
- ✓ increased impact strength of the final product, allowing down gauging and weight reduction up to 15%
- ✓ cycle time reduction and improvement of productivity up to 25%
- ✓ white shade and significant opacity, resulting in partial or total replacement of TiO₂

Increased opacity and white color of β -nucleated PP-h (with 5% NC191) versus non nucleated virgin PP-h



Non-nucleated PP β -nucleated PP





PEARLESCENT COLORS FOR ACRYLIC THERMOFORMED POOLS



PEARL BLUE
PMMA R8606



PEARL WHITE
PMMA 17-0025



PEARL GREEN
PMMA R8608

Swimming pools made of acrylic can achieve higher durability compared to pools made of fiberglass-reinforced polyesters. The extrusion and thermoforming capacity of acrylic sheets can now reach dimensions of up to 4x12m and is considered a game changer for products made of thermoformed acrylic polymer. For this end application, we developed special, pearlescent colors in different shades that offer high-end aesthetic and a sense of luxury and elegance.

We developed pearlescent colors in the following shades

- ✓ ROMBEST® WHITE PEARL PMMA 17-0025
- ✓ ROMBEST® BLUE PEARL PMMA R8606
- ✓ ROMBEST® GREEN PEARL PMMA R8608

ENERGY EFFICIENT MASTERBATCH SOLUTIONS FOR SUSTAINABLE CONSTRUCTION

The optimum energy and safety management in construction is an important performance requirement globally during the last years. Rising energy costs and stricter safety regulations make the implementation of such solutions very challenging. Therefore, proactive implementation of long-lasting measures such as energy savings, environment protection and minimizing waste is an issue of high priority for us, in addition to safety and recyclability. Our group offers masterbatch solutions ideal for XPS insulation boards used for building insulation, such as:

- ✓ FR PS6202 to provide fire resistance and advanced heat stabilization as a package that offers the option of using a high rate of in-house recycled material
- ✓ FS EVA30 to provide faster maturation of XPS boards and 7-18% output increase for various thick XPS boards, with less energy consumption and no current variation
- ✓ FS PS20 to provide 10-15% output increase for various thin XPS boards, with less energy consumption and no current variation



In line with the expressed concerns regarding halogen-based flame retardants, we developed products with proven results, such as:

- ✓ FR PP5024HF for PP-R fire fighting pipes for sprinkler networks with Bsl0 classification according to DIN13501
- ✓ FR PP360 for corrugated pipes for cable conduits to pass B2 class of DIN4102, or EN 61386-1 and EN50642 with less than 1000 ppm halogen content into end article



MATTING MASTERBATCHES

for Styrenics and PET

KRITILEN® MT PS801 MATTING AGENT FOR STYRENICS

A masterbatch based on a special organic agent on a PS-GP carrier which significantly reduces the gloss without sacrificing other properties of material

Masterbatch let down ratio : 5%-10%

KRITILEN® MT PB802 MATTING AGENT FOR PET

A masterbatch based on a special synthetic agent on PBT carrier

Masterbatch let down ratio: 5%-10%

LOW REFLECTION OF LIGHT



REDUCE THE GLOSS OF FINAL
ARTICLES



A NEW KRITILEN® BLOWING AGENT MASTERBATCH

for fine cell structures

Kritilen® BA 156 contains a specially selected endothermic chemical foaming and nucleating agent based on a universal polymeric carrier. It is proposed for use in a variety of polymers (polyolefins, styrenics etc.). It creates a very fine cell structure.

- ✓ It can be an ideal solution for light weighting of injection or blow molded articles, films, pipes etc
- ✓ The total gas evolution is ~ 20ml/gr
- ✓ The active ingredient decomposition temperature begins at ~ 155°C
- ✓ Its recommended addition rate in the final product is at the range of 1%-5%
- ✓ It is suitable for food contact applications



NEW METALLIC COLORS FOR PET

Our new metallic masterbatches for opaque PET bottles are ready to shine! These impressive, radiant shades developed by Global Colors, add energy and intensity to PET packaging and are proposed for use in cosmetics, healthcare and special beverage bottles.

SEASON'S COLOR VIBES

PROPOSED COLOR MASTERBATCHES FOR SPRING / SUMMER 2022

Global Colors proposes color masterbatches suitable for a variety of applications (film, injection molding, blow molding, thermoforming, synthetic fibers, etc).

Adventurous shades radiating enthusiasm, charming cities creating their own color canvas, daring pastels: the upcoming season is full of bold and bright palettes. Check out our proposed color masterbatches [HERE](#)

OUR COLOR PALETTES

BLOOM INSPIRED PASTELS

SUMMER ADRENALINE

CITIES OF COLORS

WHEN CHERRY BLOSSOMS





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www.plastikakritis.com

GLOBAL COLORS POLSKA
www.globalcolors.pl

ROMCOLOR 2000
www.romcolor.ro

GLOBAL COLORS LLC
www.global-colors.ru

SENKROMA SA
www.senkroma.com.tr

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