



» PRODUCT BULLETIN

OnColor™ Lux Colorants Glow-in-the-dark effect

Glow-in-the-dark plastics are mainly used for safety reasons or aesthetics. Common applications include security guidance systems, home appliances, switches, personal safety equipment, toys, baby care products, and fishing and camping products. Intensity and duration of the glow are the most important features for the end article user.

OnColor™ Lux Colorants contain phosphorescent pigments that absorb and store ultraviolet light and slowly emit the energy, producing a long-lasting glow. The portfolio includes color concentrates for the typical yellowish green, blue, blue-green, aqua and violet glow emissions. Custom solutions can be developed to match specific requirements and part design, and can include other colors or functional additives.

APPLICATIONS

- Automotive, consumer products, E&E products
- PP, ABS, PC co-polyester, PA6, PA 66, PA12, and others on request

KEY BENEFITS

- Up to 10 hours glow depending on resin, activation energy, and pigment loading
- Unlimited repetition of energy accumulation and emission process
- Excellent temperature and chemical stability
- Excellent weathering fastness and lightfastness
- Limited influence on mechanical properties
- Formulated with low-concern substances

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