

Glow-in-the-Dark Concentrates

Overview and Technical Information



Plastics that glow in the dark are being used increasingly for both their unique appearance and for their ability to illuminate entirely free of energy.



Going far beyond the instantaneous edge glow or black light glow typical of optical brighteners and fluorescent pigments, UCC's glow in the dark concentrates can radiate light for hours after the light source is removed!

Concentrates are suitable for indoor and outdoor applications.

Products can be customized to meet cost, charge time and glow time requirements.

Enhance existing products or extend your product line.

Provide your customers illumination even in black-out conditions!



UCC's product line includes an economical option where quick charge times and extended afterglow are not critical to the application.

This option is especially well-suited for children's toys and novelty items. For items that require a rapid charge time and a bright glow that lasts for hours, UCC's premium products are specially designed to meet those needs. Incorporating state-of-the-art colorants, UCC's premium grades charge in seconds and glow for hours! UCC's glow in the dark concentrates glow in various shades ranging from blue, aqua, green and red! These concentrates can be tinted to impart a subtle shade under normal lighting.

Resin Compatibility
Suitable for a broad range of resins including PP, PE, nylons, polycarbonates, ABS, acrylics, polyurethanes and more!

Process Considerations
The intensity of the glow from these products is directly related to the amount of light they can absorb.

Any contamination introduced during processing can **significantly detract** from their effect. It is highly recommended that you take every precaution to minimize contamination in your process prior to introducing these concentrates.

Typical LDR
Typical usage rates are 15:1 but rates can vary greatly depending on the part thickness, product chosen and the amount of glow required.

Brighten Your Product Today!
Please contact your Uniform Color account representative for more information or to request a sample.

uniformcolor.com
(800)44.COLOR

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