

ITOGLOW IN THE DARK POWDER



ITOGLOW IN THE DARK POWDER is a range of microencapsulated phosphorescent powders for glow in the dark effects. Glow in the dark materials absorb and store light/heat energy and then release this energy to glow. The can be recharged and continue working unlimited times and will continue to glow so long as they are recharged.

PROPERTIES

- **Appearance** : Coloured Powder
- **Density** : 3.6g/cm²
- **Particle Size** : 15 -25µm

APPLICATION

In Printing:

- **ITOGLOW Powder** : 50 - 300 parts (w/w)
- **Print paste** : 700-950 parts
- **Fixer** : 30 parts (optional)
- **Pigment** : X parts (optional)
- **Mesh** : 80 - 120 mesh screen
- **Dehydrating and Drying** : 100°C
- **Curing** : 150°C for 3 min

Cont overleaf

CHARACTERISTICS

1. Can be directly applied to aqueous based systems
2. Can conditionally be applied in solvent based systems
3. Mesh screen should be 110 - 130 mesh
4. Best results are achieved when applying over a white base fabric.
5. Radio active free so completely safe
6. Available in the following colours/types: Yellow, Red, Blue and Purple
7. Can also be used in inks & paints as well as in Injection and extrusion

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

MAGNACOLOURS[®]
IMAGINATION INK™



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APPLICATION (CONT)

Application in Inks & Paints

- Use a transparent water and oil base resin and solvent with neutral pH
- Avoid using metal tools in preparing and manufacturing process
- To minimize settling use a viscous medium or anti settling agents and stir well before applying
- All additives should be free of heavy metal compounds
- Apply to a white base coating to improve afterglow
- Ideal screen size is 110-130 mesh
- Maximum performance is achieved using an ideal thickness of at least 130-150µm
- Suggested dosage is 10-60% by weight
- Application of a clear overcoat can improve gloss and protect the pigment from humidity

Application in Injection & Extrusion

- Suitable for plastics such as PP, PE, PVC, PU, PS, ABS, TPR, EVA, Nylon & Acrylic
- Can be cast, dipped, coated, extruded or molded
- Use light coloured or transparent plastics for enhanced luminescence
- It is recommended to use as low as is possible extrusion temperature
- Using a carrier resin in powder form can help minimize darkening

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