

Radglo® EA

General information

General description:

- Daylight and ultra-violet responsive fluorescent plastic colorants - free of formaldehyde - for plastics.
- A dyed/pigmented thermoplastic polyamide-ester resin.

Applications:

- Recommended for extrusion, injection moulding, blowmoulding, filmblowing etc.

Product features and benefits

- Radglo® EA has a broad compatibility in many plastics with brilliant fluorescent colors and easy dispersion over a wide temperature range without formaldehyde out gassing.
- Radglo® EA has the advantage of low mold plate-out, whereby both heat stability and light resistance are optimized.
- Radglo® EA-3* series are recommended if extra color strength is desired.

Technical information⁽¹⁾

Physical properties

| | |
|----------------------------|------------------|
| Delivery form | Powder |
| Average particle size | 8 - 15 µm |
| Melting point: | |
| EA-10/11/12/13/19/30/33 | 100° – 120°C |
| EA-14/15/16/17/18/35/37/38 | 120° – 140°C |
| Decomposition T° | >300°C |
| Specific gravity | 1.2 g/ml |
| Bulking value | 0.30 – 0.40 g/ml |

Processing

| | |
|----------------|--|
| Heat stability | 160°C – 240°C It is essential the minimum processing temperature of 160°C is reached in order to melt in the polymer and evenly distribute the pigment throughout the plastic. To minimize the influence of heat on the fluorescent properties, temperature impact needs to be hold as low as possible. |
| Plastics | Recommended for polyolefins (LDPE/HDPE/PP) and rubber. Other polymers should be tested. |

⁽¹⁾Test methods and Certificate of analysis (COA) available on request.

Standard colors:

| Product name | Description |
|--------------|---------------|
| EA-10 | Chartreuse |
| EA-11 | Green |
| EA-12 | Orange Yellow |
| EA-13 | Orange |
| EA-14 | Orange Red |
| EA-15 | Red |
| EA-16 | Cerise |
| EA-17 | Pink |
| EA-18 | Magenta |
| EA-19 | Blue |

High strength standard colors:

| Product name | Description |
|--------------|-------------|
| EA-30 | Chartreuse |
| EA-33 | Orange |
| EA-35 | Red |
| EA-37 | Pink |
| EA-38 | Magenta |

Packaging:

1 box = 20kg
MOQ = 20kg

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

REACH compliant.
Safety Data Sheet and Regulatory Status (RS) available on request.

Do you need more technical & commercial information? Please consult **Product Promotion Sheet**.