

Radglo[®] RPC

General information

General description:

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

Applications:

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

Standard colors:

Product name	Description
RPC-10	Chartreuse
RPC-13	Orange
RPC-15	Red
RPC-17	Pink
RPC-18	Magenta

Product features and benefits

- Radglo[®] RPC is the improved version of Radglo[®] EA in terms of negligible, if any, mold plate-out and an increased heat stability.
- Compared to all other commercially available fluorescent plastic colorants, Radglo[®] RPC offers outstanding heat stability in injection molded plastics. The maximum recommended processing temperature is 280°C.
- To ensure complete development of the fluorescent color effect, Radglo[®] RPC must be completely melted and evenly distributed throughout the plastic system.

Packaging:

1 box = 20kg
MOQ = 20kg

Technical information¹

Physical properties

Delivery form	Powder
Average particle size	8 - 12 µm (< 15 µm)
Melting point:	125° – 150° C.
Decomposition T°	>320°C
Specific gravity	1.2 g/ml
Bulking value	0.30 – 0.40 g/ml

Storage & shelf life:

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

Processing

Heat stability	170°C – 280°C It is essential the minimum processing temperature of 170°C is reached in order to melt in the polymer and evenly distribute the pigment throughout the plastic.
Plastics	Recommended for polyolefins (LDPE/HDPE/PP) and rubber. Other polymers should be tested.

Safety & regulatory:

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

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

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