

# Radglo RPC-X-1182

## General information

### General description:

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

### Applications:

- UV Green tracer recommended for extrusion, injection molding, blow molding, film blowing etc.

### Standard colors:

Product name	Description
RPC-X-1182	UV Green

### Packaging:

1 box = 20kg  
MOQ = 20kg

### Product features and benefits

- Radglo RPC-X-1182 is colorless in normal daylight, but glows green under UV exposure, making it especially suitable as a tracer.
- Radglo RPC-X-1182 offers the advantage of negligible, if any, sticking or mold plate-out, whereby both heat stability and light resistance are optimized. The maximum recommended processing temperature is 280°C.
- Compared to all other commercially available fluorescent plastic colorants, Radglo RPC offers outstanding heat stability in injection molded plastics.

## Technical information<sup>1</sup>

### Physical properties

Delivery form	Powder
Average particle size	8 - 12 µm (< 15µm)
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:

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

<sup>(1)</sup>Test methods and Certificate of Analysis (COA) available on request.

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