Radglo RPZ-1-01

General information

General description:
- Phosphorescent pigments for coloring plastics and coatings.
- Zinc Sulfide compound.

Applications:
- Coloring plastics as acrylics, nylons, polystyrene, polyolefins & vinyl and coatings.

Product features
- Responds quickly to excitation by daylight, incandescent, fluorescent or ultraviolet light and produces a bright green emission color.
- Afterglow is depending on pigment concentration, surface area and the amount of energy absorbed.
- Recommended concentration:
  - for plastics: 10% by weight.
  - for thick coatings: ± 30% by weight.
- Precautions during processing:
  - Strong acids can cause dissolution of the phosphorescent pigments.
  - The presence of humidity and sunlight can exhibit darkening.
  - The intensity of the phosphorescence will be reduced by adding colorless extenders or colored pigments.

Technical information(1)

<table>
<thead>
<tr>
<th>Physical properties</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Delivery form</td>
<td>Powder</td>
</tr>
<tr>
<td>Daylight body color</td>
<td>Yellow Green</td>
</tr>
<tr>
<td>Afterglow color</td>
<td>Green</td>
</tr>
<tr>
<td>Average particle size</td>
<td>26+/-3 μm</td>
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<tr>
<td>Afterglow intensity @ 1 min</td>
<td>&gt;359 mcd/m²</td>
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<tr>
<td>Afterglow intensity @ 10 min</td>
<td>&gt;28 mcd/m²</td>
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<tr>
<td>Afterglow intensity @ 60 min</td>
<td>&gt;2.6 mcd/m²</td>
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<tr>
<td>Emission peak</td>
<td>527 nm</td>
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</table>

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

Standard color:
- Product name: RPZ-1-01
- Description: Radphos Green

Packaging:
- 1box = 20kg (1x20kg)
- MOQ = 20kg

Storage & shelf life:
120 months after production date when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:
- Safety Data Sheet available on request.

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Radiant Color NV • Europark 1046 • B-3530 Heusden • Belgium • T +32 11 52 07 40 • www.radiantcolor.be • info@radiantcolor.be
BTW BE 0431.677.318 • RPR Antwerpen, Aalsting Houtseet

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