

Technical Data Sheet

RPZ-1-01

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: $\pm 30\%$ 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.

Standard Colors

Product Name	Description
RPZ-1-01	Radphos Green

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:

Safety Data Sheet available on request.

Physical properties

Delivery form	Powder
Daylight body color	Yellow Green
Afterglow color	Green
Average particle size	26+/-3 μm
Afterglow intensity @ 1 min	>359 mcd/m ²
Afterglow intensity @ 10 min	>28 mcd/m ²
Afterglow intensity @ 60 min	>2,6 mcd/m ²
Emission peak	527 nm

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

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.