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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: ± 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.