

Technical Data Sheet

RMP Series

General Description

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

Applications

- Recommended for extrusion, injection molding, blow molding, film blowing etc.

Product Features

- RMP has a broad compatibility in many plastics with brilliant fluorescent colors and easy dispersion over a wide temperature range without formaldehyde gassing.
- RMP has the advantage of low mold plate-out, whereby both heat stability and light resistance are optimized.
- 5 High strength colors available if extra color strength is desired.

Physical properties	
Delivery form	Powder
Particle size (Laser diffraction)	8.0 – 15.0 µm
Hegman grind	5.0 – 7.0
Melting point	100 – 140°C
Decomposition temp.	>300°C
Specific gravity	1.20 g/ml
Bulking value	0.3 – 0.4 g/ml

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

Standard Colors

Product Name	Description
RMP001	Astral Pink
RMP004	Flame Orange
RMP005	Blaze
RMP006	Arc Chrome
RMP008	Stellar Green
RMP010	Magenta
RMP013	Cerise
RMP015	Fire Red
RMP027	Lunar Yellow
RMP060	Comet Blue

High Strength Colors

RMP030	Strong Magenta
RMP031	Strong Pink
RMP033	Strong Red
RMP035	Strong Orange
RMP037	Strong Yellow

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.

Processing	
Heat stability	160°C – 240°C It is essential the minimum processing temperature of 160°C is reached in order to melt in the polymer and evenly distribute the pigment throughout the plastic. To minimize the influence of heat on the fluorescent properties, temperature impact needs to be held as low as possible.
Solvent resistance	Recommended for polyolefins (LDPE/HDPE/PP) and rubber. Other polymers should be tested.