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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

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.		

(1)Test methods and Certificate of Analysis (COA) 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 hold as low as possible.
Solvent resistance	Recommended for polyolefins (LDPE/HDPE/PP) and rubber. Other polymers should be tested.

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