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Technical Data Sheet

935 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

- 935 has a broad compatibility in many plastics with brilliant fluorescent colors and easy dispersion over a wide temperature range without formaldehyde gassing.
- 935 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.

Standard Colors	
Product Name	Description
935001	Pink
935004	Orange
935005	Orange
935006	Orange
935008	Green
935010	Magenta
935013	Cerise
935015	Red
935027	Yellow
935060	Blue
High Strength Colors	
935030	Strong Magenta
935031	Strong Pink
935033	Strong Red
935035	Strong Orange
935037	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.

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.

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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