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Technical Data Sheet

EA

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 moulding, blow moulding, film blowing etc.

Product Features

- EA has a broad compatibility in many plastics with brilliant fluorescent colors and easy dispersion over a wide temperature range without formaldehyde out gassing.
- EA has the advantage of low mold plate-out, whereby both heat stability and light resistance are optimized.
- EA-3* series are recommended 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:	
EA-10/11/12/13/19/30/33	100 – 120°C
EA-14/15/16/17/18/35/37/38	120 – 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
EA-10	Chartreuse
EA-11	Green
EA-12	Orange Yellow
EA-13	Orange
EA-14	Orange Red
EA-15	Red
EA-16	Cerise
EA-17	Pink
EA-18	Magenta
EA-19	Blue
Hight Strength Standard Colors	
EA-30	Chartreuse
EA-33	Orange
EA-35	Red
EA-37	Pink
EA-38	Magenta

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 hold as low as possible.
Plastics	Recommended for polyolefins (LDPE/HDPE/PP) and rubber. Other polymers should be tested.