

EA

General information

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 and benefits

- 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.

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

High strength standard colors:

Product name	Description
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.

Technical information⁽¹⁾

Physical properties

Delivery form	Powder
Average particle size	8 - 15µm
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	1.2g/ml
Bulking value	0.30 – 0.40g/ml

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.

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

Do you need more technical & commercial information? Please consult **Product Promotion Sheet**.