

Technical Data Sheet

EA special shades

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

- 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.

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.

Colors

Product Name	Description
EA-30	Yellow
EA-2-1252	Orange Yellow
EA-3-1253	Orange
EA-4-1254	Orange Red
EA-5-1255	Red
EA-6-1256	Cerise
EA-7-1257	Pink
EA-8-1258	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 held as low as possible.
Plastics	Recommended for polyolefins (LDPE/HDPE/PP) and rubber. Other polymers should be tested.

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