



TECHNICAL DATA SHEET

940-V Series daylight fluorescent pigment

General description:

Daylight and ultra-violet responsive fluorescent plastic colourants - free of formaldehyde - for plastics.

A dyed/pigmented thermoplastic polyamide-ester copolymer.

Applications:

Recommended for extrusion, injection molding, blow molding, film blowing etc.

Particularly recommended for Polyolefins (LDPE/HDPE/PP)

Standard colours:

Product name	Description
940001V	Pink
940004V	Orange
940005V	Orange
940015V	Red
940021V	Strong Magenta
940027V	Yellow

Packaging:

1 box = 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
Average particle size	8 - 16 µm (< 20 µm)
Melting point:	125°C – 150°C
Decomposition T°	>320°C
Specific gravity	1.2 g/ml
Bulking value	0.30 – 0.40 g/ml

Processing	
Heat stability	170°C – 280°C It is essential the minimum processing temperature of 170°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.

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

Product features and benefits:

- All monomers are included in the EU list of authorized substances of regulation (EU) No 10/2011.
- Developed to meet the composition requirements of resolution AP89(1) (Use of Colourants in Plastic Materials coming into Contact with Food). For further details please consult our AP89(1) declaration.
- It is necessary that the manufacturer of end product conducts adequate testing on final product to determine if it's food contact compliant. We are able to provide information to a third party under NDA. All batches of 940-V series are produced under special controlled validated conditions and highlighted with a V suffix.
- 940-V series exhibits negligible, if any, mold plate-out and increased heat stability.
- To ensure complete development of the fluorescent color effect, it must be completely melted and evenly distributed throughout the plastic system.

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The guarantee is limited to the consistent quality of its products. Technical information, advice, verbal and written suggestions and test results are offered for guidance without responsibility. No warranty of merchantability for a particular purpose is made.

Users are responsible for testing our products and suggestions to ensure that they are suitable for the intended purpose and application prior to use.

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