

Technical Data Sheet

SPC-V Series

General Description

- Daylight and ultra-violet responsive fluorescent plastic colorants - free of formaldehyde.
- 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).

Product Features

- 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 Colorants 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 SPC-V series are produced under special controlled validated conditions and highlighted with a V suffix.
- SPC-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.

Standard Colors

Product Name	Description
SPC001V	Astral Pink 1
SPC004V	Flame Orange 4
SPC005V	Blaze 5
SPC015V	Fire Red 15
SPC021V	Strong Magenta 21
SPC027V	Yellow 27

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 – 16 μm (<20 μm)
Melting point	125 -150 °C
Decomposition temp.	>320°C
Specific gravity	1.2 g/ml
Bulking value	0.30 – 0.40 g/ml

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

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product. Rev:1.0 15-June-22

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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.