



Brilliant Microsphere Pigments

BMS SERIES

An incredibly inert fluorescent pigment, which is highly cross-linked and has a spherical particle shape for use in applications where the avoidance of swelling, bleeding, migration or plateout is desired.

Principal Applications

- Bleed Resistant Vinyl Plastics
- Specialty Coatings/Inks
- Solvent Sensitive Systems
- Various Plastics Applications

Product Features and Benefits

- Highly Solvent Resistant Allows for use in wide range of solvents without swelling or thixotropy
- Highly Bleed Resistant Excellent for PVC and other plasticizer applications
- Broad Compatibility Formulations can be prepared in a wide range of systems
- Fine Particle Size Pigments exhibit excellent dispersibility
- Spherical Shape Offers excellent light scattering/opacity and washability
- Plateout Resistant Minimizes processing difficulties and cleanup downtime

Pigment Specifications

Specific Gravity	1.3
Average Particle size	0.5 to 2.0 microns
Hegman Grind	Minimum 5.0 or better
Softening Point	Decomposes at 290°C
Maximum Processing Range	225°C

Solubility¹ and Bleed Resistance^{2,3}

<u>SOLVENT</u>	<u>SOLUBILITY</u>	<u>BLEED</u>
Water	Insoluble	Negligible
Mineral Spirits	Insoluble	Negligible
Toluene	Insoluble	Negligible
Xylene	Insoluble	Negligible
Ethanol	Insoluble	Negligible
Methanol	Insoluble	Considerable
2-Propanol	Insoluble	Moderate
Acetone	Insoluble	Considerable
Methyl Ethyl Ketone	Insoluble	Considerable
Ethyl Acetate	Insoluble	Slight to Moderate

¹Test conditions, Water bath, 30 minutes, 100°F

²Following solubility test, appearance of the supernatant liquid is observed

³Green and Blue fluorescent pigments generally exhibit superior bleed resistance

Vinyl Bleed

BMS is extremely bleed resistant in plasticized PVC.

Color Guide

<u>SHADE</u>	<u>CODE</u>
Pink	BMS-PK411
Cerise	BMS-CE412
Red	BMS-RD413
Orange-Red	BMS-OR414
Orange	BMS-OG415
Orange-Yellow	BMS-OY416
Yellow	BMS-YE417
Green	BMS-GR418
Blue	BMS-BL419
Violet	BMS-VT420
Magenta	BMS-MG421
Invisible Blue	BMS-CL401

Storage

When stored in a cool, dry environment, BMS pigments have an indefinite shelf life. Colorant containers should be kept closed to minimize contamination.

Use

BMS pigments have the potential to emit formaldehyde when processed at elevated temperatures. The use of local exhaust at the extruder head is highly recommended.

Toxicity

Tests conducted through independent laboratories have found Brilliant BMS-Series Fluorescent Pigments to be "essentially non-toxic." A summary of the test data is listed on the MSDS, which is available upon request. Good industrial hygiene and handling methods are essential in the use of all products whether or not they are determined to be hazardous.

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