Technical Data Sheet

PMH Series

Bright ▪ Brilliant ▪ Beautiful

A high strength, formaldehyde-free, polyamide based fluorescent colorants with good thermal and light stability. Designed for use in plastics.

Customer Benefits – Made possible by Flamingo PMH Series

- **High color strength:** New proprietary high strength polyamide based chemistry.
- **Faster processing and clean up:** Excellent dispersion and substantially reduced plate out to ensure ease of processing and color change overs.
- **Better thermal stability:** Processing range from 220°C to 280°C with minimal color change, including DIN EN 12877-2 standard compliance up to 260°C.
- **Enhanced color consistency:** New proprietary chemistry to deliver consistent bright-brilliant-beautiful colors.

Applications – Processes

Masterbatch
Mouldings & Extrusions
Powder coatings
Blow Mouldings

Applications – Polymers

Suitable	Limited Suitability
HDPE	ABS
PP	Polycarbonate
GPPS	Acetal
HIPS	EVA & Rubber
Acrylic	Nylon
PVC Spread Coated	Cellulose Acetate
Ionomer	
Poly Acrylic (PMMA)	
Rigid PVC	
Urethane	

Available Colors

Color	Product Code
Yellow	PMH-11
Green	PMH-12
Chrome	PMH-13
Orange	PMH-14
Red Orange	PMH-15
Red	PMH-16
Pink	PMH-17
Pink (B)	PMH-17
Magenta	PMH-18
Magenta (B)	PMH-18
Violet	PMH-19
Blue	PMH-20

ARON UNIVERSAL
Color Chemistry Experts...
www.aronuniversal.com

P.T.O.

Typical Pigment Characteristics

Properties	Values
Average Particle size	4-6 μ
Melting Point	125°C -135°C, Yellow 110°C -120°C
Decomposition Point**	290°C
Min. Processing Temp	220°C
Maximum recommended Processing temperature (For short dwell times)	280°C
Chemical Nature	Formaldehyde free thermoplastic polyamide resin

*** maximum temp. at which fluorescence is maintained*
Color degradation is time/temperature dependent

Shelf Life & Storage Conditions:

- Store at dry and closed conditions.
- Keep away from source of ignition/sunlight.
- Avoid moisture and raising dust.

Safety:

Please refer to our Material Safety Data Sheet.

Regulatory Compliance

- REACH
- AP 89(1)
- TSCA
- ROHS
- ASTM D 4236
- EN71-3, 2013

Please check with us for any regulatory requirement not already listed above.

PMH pigments are a solid solution of thermoplastic polyamide resin with fluorescent dyes. Minimum processing temperature to ensure complete colour development is 220°C

Other Information

PMH fluorescent series are much brighter than conventional non-fluorescent colors.

Opacity can be improved, if necessary, by small additions of rutile titanium dioxide. The fluorescent color will become more pastel as the quantity of titanium dioxide is increased.

PMH series offers limited light fastness on exterior exposure. To enhance lightfastness, optimal pigment loading & UV stabilizers could be used.

To obtain maximum color and brightness it is important to use sufficient pigment. The quantity used will depend upon the thickness of the plastic product.

PMH Series has excellent temperature stability. Due to the high melting point, optimum dispersion requires processing temperature of above 220°C.

ARON UNIVERSAL LIMITED

25/1, 2nd Phase, Jigani Industrial Area, Bangalore - 560 105. INDIA
Ph : +91-80-27825 331 / 315 / 795 Fax : +91-80-27825 578
Email : sales@aronuniversal.com / exports@aronuniversal.com
Website : www.aronuniversal.com

Disclaimer: Technical information, advice, statements, verbal and written suggestions and test results are offered for guidance only and it is believed to be reliable based on our present knowledge. These are not to be construed as a warranty for which we assume no responsibility. It is responsibility of the user to ensure that their employees are aware of the content and also to ensure that any additional regulations are satisfied. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Users are responsible for testing our products and suggestions to ensue that they are suitable for the intended purpose and application prior to use.