



Permanent Yellow DHG

Pigment Yellow 12

Permanent Yellow DHG is a very opaque diarylide yellow pigment. It meets the requirements for the European Scale for Process printing. Permanent Yellow DHG is noted for excellent flow properties. Main application field is coldset offset printing ink (newspaper printing). Further application fields are other offset printing inks as well as water and solvent based packaging gravure and flexographic printing inks.

Benefits

- Tinctorial strength and gloss
- High color strength
- Excellent flow properties

Product Data

Physical Data

Density	[g/cm ³]	1.39
pH-value		-
Specific surface	[m ² /g]	31

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Accept

Viscosity	[Pa•s]	-
Oil absorption	[ml/100g]	96

Fastness Data

Staining of the test medium by:

Test Medium	Powder pigment	Print / draw-down	Change of the print
Solvent mixture	4-5	5	5
Ethanol	5	5	5
Ethyl acetate	4	4-5	4-5
MEK	4	4-5	4-5
Toluene	3-4	4	4
White spirit	4-5	5	5
DOP	4-5	5	-
Paraffine	4	4-5	-
Butter	-	5	-
Soap	-	5	5
Alkali	-	5	5
Acid	-	5	5
Heat stability	10 min.	200°C	
	30 min.	180°C	
Light fastness		5.8%	4
Light fastness		10.0%	5

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Sterilization	Water phase	Steam phase
	5	5

Applications

Recommended for

Paste inks

Sheetfed	●
Heatset	■
Coldset	■
Silkscreen	-
Metal deco	○
UV curing (Offset)	■

Liquid inks

NC alcohol	●
NC acetate	●
Waterbased	●
Polyvinyl butyral	■
Polyamide	-
Pub gravure, Toluene	-
Decorative laminates	-

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- highly recommended
 - recommended
 - limited suitability
 - not tested
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