

# Permanent Yellow DHG-ID

Edition 09/22/2008

<b>Colour Index:</b>	Pigment Yellow 12	<b>Chem. Group:</b>	Diarylide Yellow	<b>CAS No.:</b>	6358-85-6
<b>C.I.-No.:</b>	21090	<b>Standardization:</b>	offset printing		

## Technological properties

Permanent Yellow DHG -ID is a semi-opaque diarylide pigment. Permanent Yellow DHG-ID 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-based packaging inks.

## Physical Data

<b>Density [g/cm<sup>3</sup>]</b>	1.55
<b>pH-value</b>	-
<b>Specific surface [m<sup>2</sup>/g]</b>	36.5
<b>Average particle size [nm]</b>	91
<b>Fineness of grind [µm]</b>	-
<b>Viscosity [Pa.s]</b>	-
<b>Oil absorption [ml/100g]</b>	43

## Fastness properties

Test medium	Staining of the test medium by:		
	Powder Pigment	Print / draw-down	Change of the print
Solvent mixture	4-5	5	5
Ethanol	4-5	5	5
Ethyl acetate	4	4-5	4-5
MEK	4	4-5	4-5
Toluene	3-4	3-4	3-4
White spirit	4-5	5	5
DOP	4-5	4-5	-
Paraffine	4-5	4-5	-
Butter	-	5	-
Soap	-	5	5
Alkali	-	5	5
Acid	-	5	5
<b>Heat stability</b>	10 min.	180°C	
	30 min.	160°C	
<b>Light fastness</b>	1/3SD	4.9%	2
<b>Light fastness</b>		10.0%	2

<b>Silver laquer</b>	5	
<b>Sterilization</b>	Water phase	Steam phase
	5	5

## Recommended for

Paste inks		Liquid inks	
Sheetfed	-	NC alcohol	-
Heatset	●	NC acetate	-
Coldset	■	Water	■
Silkscreen	-	Polyvinyl butyral	-
Metal deco	-	Polyamide	-
UV curing (Offset)	●	Pub gravure, Toluene	-
■ = highly recommended		Decorative laminates	-
● = recommended		UV curing (Flexo)	●
○ = limited suitability			

