



Permanent Orange G

Pigment Orange 13

Permanent Orange G is an opaque disazopyrazolone pigment. It exhibits high colour strength, high gloss and good printing properties in all printing systems. Recommended for paste inks as well as for solvent- and water based packaging gravure and flexographic printing inks.



Benefits

- Tinctorial strength and gloss
- High colour strength
- High gloss
- Good printing properties in all printing systems

Product Data

Physical Data

Density	[g/cm ³]	1.41
pH-value		-
Specific surface	[m ² /g]	38
Average particle size	[nm]	130


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Accept

Viscosity	[Pa·s]	-
Oil absorption	[ml/100g]	80

Fastness Data

Staining of the test medium by:

Test Medium	Powder pigment	Print / draw-down	Change of the print
Solvent mixture	4	4	5 
Ethanol	4-5	5	5
Ethyl acetate	3-4	4	5
MEK	3-4	4	4
Toluene	3-4	3-4	4
White spirit	4-5	5	5
DOP	4-5	5	-
Paraffine	4	5	-
Butter	-	5	-
Soap	-	5	4-5
Alkali	-	5	5
Acid	-	5	4
Heat stability	10 min.	200°C	
	30 min.	200°C	
Light fastness		6.5%	3
Light fastness	1/3 SD	10.0%	4

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Sterilization	Water phase	Steam phase
	4	4-5

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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