



Permanent Red FGR 03

Pigment Red 112

Permanent Red FGR 03 is a very transparent Naphthol AS pigment, especially recommended for offset printing inks. It exhibits high colour strength and good light- and weather fastness properties. 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 transparency
- Good light- and weather fastness properties

Product Data

Physical Data

Density	[g/cm ³]	1.50
pH-value		-
Specific surface	[m ² /g]	33
Average particle size	[nm]	150
Fineness of grind	[µm]	-
Viscosity	[Pa•s]	-
Oil absorption	[ml/100g]	61

Fastness Data

Staining of the test medium by:

Test Medium	Powder pigment	Print / draw-down	Change of the print
Solvent mixture	4	4-5	4-5

Ethanol	4-5	5	4-5
Ethyl acetate	3-4	4	4
MEK	3-4	3-4	3-4
Toluene	3-4	3-4	2
White spirit	4	5	5
DOP	4-5	5	-
Paraffine	3-4	4-5	-
Butter	-	4	-
Soap	-	5	4-5
Alkali	-	5	5
Acid	-	5	5
Heat stability	10 min.	140°C	
	30 min.	140°C	
Light fastness		12.5%	6
Light fastness	1/3 SD	10.0%	6
Silver laquer	2-3		
Sterilization	Water phase	Steam phase	
	4-5	4	

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	-
UV curing (Flexo)	■

- highly recommended
- recommended
- limited suitability
- not tested

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