

Full Shade	Reduction 1:25 TiO <sub>2</sub>
	

Product Description	
Chemical characterization	Naphthol AS
Color Index	Pigment Red 2
Appearance	Red powder
C.I. No.	12310
CAS No.	6041-94-7

Product Description			
	Unit	Value	Test Method
Hue angle [1/3 SD]		18.2	acc. to DIN EN ISO/CIE 11664-4

Technical Data			
	Unit	Value	Test Method
Density	[g/cm <sup>3</sup> ]	typ. 1.5	acc. to ISO 787-10
Bulk volume	[l/kg]	typ. 3.6	
Specific surface	[m <sup>2</sup> /g]	typ. 51.4	acc. to DIN ISO 66132

Fastness Properties		
Resistance to Chemicals		
	Value	Test Method
Acid	5	rating acc. to DIN EN ISO 105-A03
Alkali	5	rating acc. to DIN EN ISO 105-A03
Water	4 - 5	rating acc. to DIN EN ISO 105-A03
Ethanol	3	rating acc. to DIN EN ISO 105-A03
Ethylacetate	2 - 3	rating acc. to DIN EN ISO 105-A03
MEK	1 - 2	rating acc. to DIN EN ISO 105-A03
Toluene	1 - 2	rating acc. to DIN EN ISO 105-A03

Acid/alkali resistance: Pigment was dipped into hydrochloric acid (10%) or soda solution (10%). Rating with gray scale: 1=poor, 5=excellent.

Solvent resistance: Pigment was dipped into solvent. Rating with gray scale: 1=poor, 5=excellent.

	Value	Test Method
Light fastness (print)[1/25 SD]	4	rating acc. to DIN EN ISO 105-B02

Light fastness: Rating with 8-step wool scale: 1=poor, 8=excellent.

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### Application Profile

Offset inks	+++
Publication gravure	
Packaging inks (solvent based)	++
Packaging inks (water based)	+++
Laminated inks	

+++ Excellent choice

++ Good choice

+ Possible choice

### Packaging and Handling

Packaging	20 kg paper bags
Packaging	Different types of packaging are available on request

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