

TiO_2 1:1



TiO_2 1:10

Characteristics	
C. I.	Pigment Red 57:1
C. I. No.	15850:1
CAS No.	5281-04-9
Chemical class	BONA, Ca

Properties	
Oil Absorption [ml/100 g]	60
Density [g/cm3]	1.6
Bulking Volume [l/kg]	3.0

Fastness	
White Spirite	4-5
DEHT	4-5
Toluene	4-5
MEK	4-5
Ethylacetate	4-5
Ethanol	4-5
Water	4-5
HCl 2.5%	2-3
NaOH 2.5%	3
Light - Full Shade	3-4
Light - 1/1	3
Light - 1/3	3
Heat Resistance [°C]	C 160

C - in Coatings

Application Possibilities	
Printing Inks - Offset	●
Paints - Decorative	●
Plastics - PVCp	●
● main application	○ side application

Other Informations	
Shelf Life	48 months

Testing methods

Synthesia, a.s., Pardubice, Semtín 103, post code 530 02, Czech Republic
Identification number: 60108916 • VAT: CZ 699008164
Enlisted in Commercial Register administered by the Regional Court in Hradec Králové, dep. B, entry 1031
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Density

- determined by ČSN EN ISO 787-10: 1997 (67 0520) in v g/cm^3

Bulking Volume

- denotes the volume of 1 kg of loosely poured pigment, expressed in litres

Oil Absorbtion

- determined by ČSN EN ISO 787-5: 1997 (67 0520) in ml/100 g pigment

Fastness to Solvents

- colouring of solvent after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

Fastness to Reagents

- colouring of reagents after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

Light Fastness - Xenotest

- determined by ČSN EN ISO 105-B02: 2000 (80 0147) and evaluated in 1/3 and 1/1 of standard depth and in full shade; determined according to blue scale, by it degree 1 denotes the lowest fastness, degree 8 the highest one

Weathering Fastness - Xenotest

- determined by ČSN EN ISO 105-B04: 1998 (80 0171) and evaluated in 1/3 and 1/1 of standard depth and in full shade; determined according to grey scale, by it degree 1 denotes the lowest fastness, degree 5 the highest one

Overspray Fastness

- assessment of bleeding into a white nitrocellulose combination lacquer for 60 min. at 70 °C against ISO grey scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one

Heat Resistance

- the values quoted indicate up to what temperature the pigments do not significantly alter; these are guide values which can be influenced by the binder used and the period of exposure to high temperature

Migration Fastness

- assessment of bleeding into a white polyvinylchloride sheet for 24 h at 70 °C against ISO grey scale; by it degree 1 denotes the lowest fastness, degree 5 the highest one; no data means that the pigment is not recommended for dyeing of PVC

Fastness to plasticizers

- colouring of plasticizer (diethylhexylterephthalate) after 24 h at 20 °C according to ISO grey scale is determined; degree 1 denotes the lowest fastness, degree 5 the highest one

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