

TiO_2 1:1



TiO_2 1:10

Characteristics	
C. I.	Pigment Red 176
C. I. No.	12515
CAS No.	12225-06-8
Chemical class	Benzimidazolone

Properties	
Oil Absorption [ml/100 g]	88
Density [g/cm3]	1.5
Bulking Volume [l/kg]	4.4

Fastness	
Linseed Oil	5
White Spirite	5
DEHT	5
Xylene	4-5
Acetone	2-3
Butylacetate	3-4
Ethanol	3-4
Water	5
HCl 2.5%	5
NaOH 2.5%	5
Light - Full Shade	6-7
Light - 1/1	6-7
Light - 1/3	6
Weather - Full Shade	4
Weather - 1/1	3-4
Weather - 1/3	3-4
Overspray	
Heat Resistance [°C]	P 280
Migration	5

P - in Plastics

Application Possibilities	
Printing Inks - Nitrocellulose	●
Printing Inks - Water based	●
Printing Inks - Decorative Laminates	●
Printing Inks - Offset	●
Printing Inks - UV Curable	●
Plastics - Polyolefines	●
Plastics - PVCp	●
● main application	○ side application

Other Informations	
Shelf Life	48 months

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Enlisted in Commercial Register administered by the Regional Court in Hradec Králové, dep. B, entry 1031
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Testing methods

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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